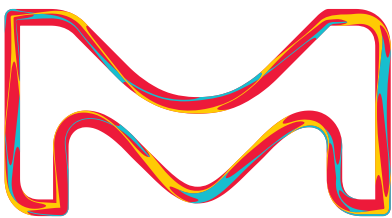


# SWEET NEWS

Introducing Glycoconjugates  
from GlycoNZ



The Life Science  
business of Merck  
KGaA, Darmstadt,  
Germany operates as  
MilliporeSigma in the  
U.S. and Canada.

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Lab & Production Materials

# A Growing Portfolio for a Growing Field

Glycobiology has become increasingly important in academic, pharmaceutical, and biotech research for understanding the structure and activity of carbohydrates in relation to human health. As a leading supplier in the field, we offer an extensive range of products for glycobiology, including carbohydrates, lipids, glycoconjugates, and stable isotopes. And now, there's much more. We've partnered with GlycoNZ to expand our portfolio of glycoconjugates, giving you even greater possibilities for discovering drug targets for infectious diseases, inflammation, and cancer.

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Discover an unparalleled glycobiology portfolio for your breakthrough ideas.

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**GlycoNZ**  
Glycoconjugates for Glycobiology

## GlycoNZ Glycoconjugates

Based in New Zealand, GlycoNZ is an established supplier of glycoconjugates for glycobiology research. Offering high quality and a very broad variety, their products are optimized for studying carbohydrate functions, carbohydrate-binding proteins in biological processes, and new carbohydrate-mediated interactions. The range includes more than 800 glycoconjugate forms in four series: biotinylated monomeric probes, biotinylated polymeric probes, fluorescein-labelled polymeric probes, and unlabeled polyacrylamide conjugates. All this is now easily available to you through MilliporeSigma – as always, with our renowned quick delivery and expert support.



## New additions to our glycoconjugate portfolio include:

- Sialo- and sulfo-oligosaccharides
- Blood group and xenoantigens
- Cancer-associated antigens
- Glycoprotein O-chains
- Fragments of glycolipids, N-chains
- Ligands for galectins, selectins, siglecs, collectins

## BM-Series: Biotinylated Monomeric Probes

These probes have an elongated spacer giving them the possibility to bind avidin or streptavidin. The biotin fragment is hydrophobic enough to permit the probes to be adsorbed on SepPack C18 cartridges from aqueous solutions, and to be eluted by methanol, similarly to glycosides bearing a "Lemieux-type" space. The spacer is the normal spacer of the ligand plus the own spacer of the biotin label  $-\text{CO}(\text{CH}_2)_5\text{NH}-$ .

**Purity:** 95-97%

### Applications:

- Multi-arrays and micro-arrays
- Construction of glycol-surfaces, glycol-beads

**Sug – spacer – biot**



Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0000-BM	$\text{HOCH}_2(\text{HOCH})_4\text{CH}_2\text{NH}_2$ -biot	aminoglucitol	1
GNZ-0001-BM	GalNAc $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	LacdiNAC	1
GNZ-0004-BM	GlcNAc $\beta$ 1-3(GlcNAc $\beta$ 1-6)Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-biot	Tk	1
GNZ-0006-BM	GalNAc $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	A (type 2)	1
GNZ-0007-BM	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	B (type 2)	1
GNZ-0008-BM	Gal $\alpha$ 1-4Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	P <sub>1</sub>	1
GNZ-0009-BM	Gal $\alpha$ 1-3Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-biot		1
GNZ-0011-BM	GlcNAc $\beta$ 1-2Gal $\beta$ 1-3GalNAc $\alpha$ -sp3-biot	GlcNAc $\beta$ 1-2`TF	1
GNZ-0012-BM	GlcA $\beta$ -sp3-biot	$\beta$ -glucuronate	1
GNZ-0013-BM	Glc $\beta$ 1-4GalNAc $\alpha$ -sp3-biot		1
GNZ-0014-BM	Man $\beta$ -sp4-biot	$\beta$ -D-mannose	1
GNZ-0015-BM	Gal $\alpha$ 1-4GlcNAc $\beta$ -sp3-biot	$\alpha$ LN	1
GNZ-0015a-BM	Gal $\alpha$ 1-4GlcNAc $\beta$ -sp8-biot	$\alpha$ LN	1
GNZ-0016-BM	Neu5Ac $\beta$ -sp9-biot	$\beta$ -N-acetylneuraminic acid	1
GNZ-0017-BM	Neu5Ac $\alpha$ 2-3(6-O-Su-)Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-biot	SiaLe <sup>x</sup> -6(Gal)-O-sulfate	0.5
GNZ-0018-BM	Neu5Gc $\alpha$ -sp3-biot	$\alpha$ -N-glycolylneuraminic acid	1
GNZ-0019-BM	Glc $\alpha$ 1-4Glc $\beta$ -sp3-biot	maltose	1
GNZ-0020-BM	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(Fuca1-3)(6-O-Su-)GlcNAc $\beta$ -sp3-biot	SiaLe <sup>x</sup> -6(GlcNAc)-O-sulfate	0.5
GNZ-0021-BM	Glc $\alpha$ -sp3-biot	$\alpha$ -D-glucose	1
GNZ-0022-BM	Glc $\beta$ -sp3-biot	$\beta$ -D-glucose	1
GNZ-0022b-BM	Glc $\beta$ -sp4-biot		1
GNZ-0023-BM	Gal $\alpha$ -sp3-biot	$\alpha$ -D-galactose	1
GNZ-0024-BM	Gal $\beta$ -sp3-biot	$\beta$ -D-galactose	1
GNZ-0024a-BM	Gal $\beta$ -sp4-biot		1
GNZ-0025a-BM	Man $\alpha$ -sp3-biot	$\alpha$ -mannose	1
GNZ-0026-BM	6-H <sub>2</sub> PO <sub>3</sub> -Man $\alpha$ -sp3-biot	$\alpha$ -D-mannose-6-phosphate	1
GNZ-0027-BM	L-Fuca-sp3-biot	$\alpha$ -L-fucose	1
GNZ-0028-BM	L-Rha $\alpha$ -sp3-biot	$\alpha$ -L-rhamnose	1
GNZ-0029-BM	GlcNAc $\beta$ -sp3-biot	$\beta$ -D-N-acetylglucosamine	1
GNZ-0029a-BM	GlcNAc $\beta$ -sp2-biot		1
GNZ-0029d-BM	GlcNAc $\beta$ -sp4-biot		1
GNZ-0033-BM	Gal $\alpha$ 1-4Gal $\beta$ -sp3-biot		1

## BM-Series: Biotinylated Monomeric Probes

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0034-BM	3-O-Su-Gal $\beta$ -sp3-biot	$\beta$ -D-galactose-3-O-sulfate	1
GNZ-0035-BM	Neu5Aca-sp3-biot	$\alpha$ -N-acetylneuraminic acid	1
GNZ-0035a-BM	Neu5Aca-sp9-biot	$\alpha$ -N-acetylneuraminic acid	1
GNZ-0036-BM	Neu5Aca2-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	3`SLN	0.5
GNZ-0037-BM	Gala1-4Gal $\beta$ 1-4Glc $\beta$ -sp2-biot	P <sup>k</sup> , Gb3, GbOse <sub>3</sub>	1
GNZ-0038-BM	Gala1-3GalNAc $\beta$ -sp3-biot	T <sub>o<math>\beta</math></sub>	1
GNZ-0039-BM	Gal $\beta$ 1-3Gal $\beta$ -sp3-biot		1
GNZ-0040-BM	Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-biot	Le <sup>a</sup>	1
GNZ-0041-BM	Fuca1-2Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-biot	Le <sup>b</sup>	1
GNZ-0042-BM	Fuca1-2Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-biot	Le <sup>d</sup> , H (type 1)	1
GNZ-0043-BM	Gal $\beta$ 1-3GlcNAc $\beta$ -sp3	Le <sup>c</sup>	1
GNZ-0044-BM	Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-biot	Le <sup>x</sup>	1
GNZ-0045-BM	Fuca1-2Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-biot	Le <sup>y</sup>	1
GNZ-0046a-BM	Gal $\beta$ 1-4Glc $\beta$ -sp2-biot	Lac	1
GNZ-0047-BM	Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	N-acetyllactosamine	1
GNZ-0047d-BM	Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-biot	N-acetyllactosamine	1
GNZ-0048-BM	Gal $\beta$ 1-3GalNAca-sp3-biot	TF, core 1	1
GNZ-0049-BM	Fuca1-3GlcNAc $\beta$ -sp3-biot		1
GNZ-0050-BM	Fuca1-4GlcNAc $\beta$ -sp3-biot	Le	1
GNZ-0051-BM	GalNAca1-3GalNAc $\beta$ -sp3-biot	Fs	1
GNZ-0052-BM	GalNAca1-3GalNAca-sp3-biot	core 5	1
GNZ-0053-BM	Gala1-3GalNAca-sp3-biot	Taa, core 8	1
GNZ-0054-BM	Neu5Aca2-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-biot	SiaLec	0.5
GNZ-0055-BM	Gala1-2Gal $\beta$ -sp3-biot		1
GNZ-0056-BM	Gal $\beta$ 1-3GalNAc $\beta$ -sp3-biot	T <sub>o<math>\beta\beta</math></sub>	1
GNZ-0057-BM	GlcNAc $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	chitobiose	1
GNZ-0057a-BM	GlcNAc $\beta$ 1-4GlcNAc $\beta$ -sp4-biot	chitobiose	1
GNZ-0058-BM	Neu5Aca2-6GalNAca-sp3-biot	SiaT <sub>n</sub>	0.5
GNZ-0059-BM	Fuca1-2Gal $\beta$ 1-3GalNAca-sp3-biot	H (type 3)	1
GNZ-0060-BM	Neu5Aca2-3Gal $\beta$ 1-4Glc $\beta$ -sp4-biot	3`SL	0.5
GNZ-0061-BM	Neu5Ac&alpha;2-3Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-biot	SiaLe <sup>a</sup>	0.5
GNZ-0062-BM	Neu5Aca2-3Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-biot	SiaLe <sup>x</sup>	0.5
GNZ-0063a-BM	Neu5Aca2-6Gal $\beta$ 1-4Glc $\beta$ -sp2-biot	6`SL	0.5
GNZ-0064-BM	6-O-Su-GlcNAc $\beta$ -sp3-biot	$\beta$ -D-GlcNAc-6-O-sulfate	1
GNZ-0065-BM	3-O-Su-Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-biot	suLe <sup>a</sup>	0.5
GNZ-0066-BM	3-O-Su-Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-biot	suLe <sup>x</sup>	0.5
GNZ-0067a-BM	3-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-biot		1
GNZ-0068-BM	3-O-Su-Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-biot	Lec-3`-O-sulphate	1
GNZ-0070-BM	Gala1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	Galili	1
GNZ-0071-BM	GlcNAc $\beta$ 1-4GalNAca-sp3-biot		1
GNZ-0073-BM	Neu5Aca2-8Neu5Aca2-8Neu5Aca-sp3-biot	(Sia) <sub>3</sub>	1
GNZ-0075-BM	GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GalNAca-sp3-biot	GlcNAc $\beta$ 1-3`TF	1
GNZ-0076-BM	Gal $\beta$ 1-2Gal $\beta$ -sp3-biot		1
GNZ-0077a-BM	Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp2-biot		1
GNZ-0078-BM	GlcNAc $\beta$ 1-6(Gal $\beta$ 1-3)GalNAca-sp3-biot	core 2	1
GNZ-0079-BM	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	(LN) <sub>3</sub>	1
GNZ-0080-BM	Fuca1-2Gal $\beta$ 1-3GalNAc $\beta$ -sp3-biot	H (type 4)	1
GNZ-0082-BM	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4-biot	LNnT	1
GNZ-0083-BM	Neu5Aca2-3Gal $\beta$ -sp3-biot	GM4	1
GNZ-0084-BM	Neu5Aca2-6Gal $\beta$ -sp3-biot		0.5
GNZ-0085-BM	GalNAca1-3(Fuca1-2)Gal $\beta$ -sp3-biot	A <sub>tri</sub>	1

## BM-Series: Biotinylated Monomeric Probes

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0085a-BM	GalNAc $\alpha$ 1-3(Fuc $\alpha$ 1-2)Gal $\beta$ -sp5-biot	A <sup>tri</sup>	1
GNZ-0086-BM	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ -sp3-biot	B <sup>tri</sup>	1
GNZ-0086a-BM	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ -sp5-biot	B <sup>tri</sup>	1
GNZ-0087-BM	GalNAc $\alpha$ 1-3Gal $\beta$ -sp3-biot	A <sub>di</sub>	1
GNZ-0088-BM	Gal $\alpha$ 1-3Gal $\beta$ -sp3-biot	B <sub>di</sub>	1
GNZ-0089-BM	Fuca1-2Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	H (type 2)	1
GNZ-0090a-BM	6-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-biot	LacNAc-6-O-sulfate	1
GNZ-0091-BM	Fuca1-2Gal $\beta$ -sp3-biot	H <sub>di</sub>	1
GNZ-0092-BM	3-O-Su-Gal $\beta$ 1-3GalNAc $\alpha$ -sp3-biot	TF-3`-O-sulphate	1
GNZ-0093a-BM	GalNAc $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3-biot		1
GNZ-0095-BM	GalNAc $\beta$ 1-3GalNAc $\beta$ -sp3	para-Fs	1
GNZ-0096-BM	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3GalNAc $\alpha$ -sp3-biot	3`SiaTF	1
GNZ-0097-BM	GlcNAc $\beta$ 1-3GalNAc $\alpha$ -sp3-biot	core 3	1
GNZ-0098-BM	GlcNAc $\beta$ 1-6GalNAc $\alpha$ -sp3-biot	core 6	1
GNZ-0099-BM	GlcNAc $\beta$ 1-3(GlcNAc $\beta$ 1-6)GalNAc $\alpha$ -sp3-biot	core 4	1
GNZ-0600-BM	Glc $\beta$ 1-3GlcNAc $\beta$ -sp3-biot		1
GNZ-0602-BM	Glc $\beta$ 1-3GalNAc $\beta$ -sp3-biot		1
GNZ-0605-BM	GlcNAc $\beta$ 1-2Gal $\beta$ -sp3-biot		1
GNZ-0607-BM	Fuc $\beta$ 1-2Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-biot		1
GNZ-0608-BM	GlcNAc $\beta$ 1-4Gal $\beta$ -sp3-biot	GlcNAc $\beta$ 4Gal $\beta$	1
GNZ-0609-BM	L-Glc $\beta$ -sp4-biot		1
GNZ-0709-BM	Neu5Gc $\alpha$ 2-3Gal $\beta$ -sp3-biot	Neu5Gc $\alpha$ 3Gal	0.5
GNZ-0721-BM	GalNAc $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GalNAc $\beta$ -sp3-biot	A (type 4)	1
GNZ-0724-BM	GlcNAc $\alpha$ 1-3GalNAc $\beta$ -sp3-biot		1
GNZ-0726-BM	L-Rha $\beta$ -sp4-biot	$\beta$ -L-rhamnose	1
GNZ-0728-BM	GlcNAc $\alpha$ -sp3-biot	$\alpha$ -D-N-acetylglucosamine	1
GNZ-0730-BM	Neu5Gc $\alpha$ 2-3Gal $\beta$ 1-3(6-O-Su)GlcNAc $\beta$ -sp3-biot		1
GNZ-0731-BM	Neu5Gc $\alpha$ 2-3Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3-biot		1
GNZ-0736-BM	Xyl $\beta$ -sp4-biot	$\beta$ -D-xylopyranose	1
GNZ-0738-BM	L-Ara $\alpha$ -sp4	$\alpha$ -L-arabinose	1
GNZ-0740-BM	Fuc $\beta$ 1-2Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot		1
GNZ-0744-BM	Rib $\beta$ -sp4-biot	$\beta$ -D-ribose	1
GNZ-0745-BM	Fuc $\beta$ 1-2Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-biot		1
GNZ-0747-BM	GalNAc $\alpha$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	GalNAc $\alpha$ 3`LN	1
GNZ-0748-BM	GalNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	GalNAc $\beta$ 3`LN	1
GNZ-0755-BM	GalNAc $\alpha$ 1-3Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3		1
GNZ-0757-BM	Neu5Ac $\alpha$ 2-6(Fuca1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	Sia6`H(type 2)	0.5
GNZ-0762-BM	6-O-Su-Gal $\beta$ -sp3-biot	$\beta$ -D-galactose-6-O-sulfate	1
GNZ-0763-BM	Neu5Ac $\alpha$ 2-3(6-O-Su)Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3-biot	3`SLN-6,6`-di-O-sulfate	0.5
GNZ-0769-BM	3-O-Su-GalNAc $\alpha$ -sp3-biot	T <sub>n</sub> -3-O-sulfate	1
GNZ-0770-BM	GalNGc $\beta$ -sp3-biot	$\beta$ -D-N-glycolylgalactosamine	1
GNZ-0773-BM	Gal $\beta$ 1-3GalNGc $\alpha$ -sp3-biot		1
GNZ-0778-BM	4-O-Su-GalNAc $\alpha$ -sp3-biot	T <sub>n</sub> -4-O-sulfate	1
GNZ-0785-BM	Neu5Ac $\alpha$ 2-3(6-O-Su)Gal $\beta$ 1-3GalNAc $\alpha$ -sp3-biot	3`SiaTF-6`-O-sulfate	0.5
GNZ-0786-BM	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3GalNAc $\alpha$ -sp3-biot	Le <sup>c</sup> T <sub>n</sub>	1
GNZ-0789-BM	Gal $\beta$ 1-3(6-O-Su)GalNAc $\alpha$ -sp3-biot	TF-6-O-sulfate	1
GNZ-0799-BM	Fuc $\beta$ -sp4-biot	$\beta$ -L-fucose	1
GNZ-0800-BM	GalNAc $\alpha$ 1-4Gal $\beta$ -sp3-biot	GalNAc $\alpha$ 1-4Gal $\beta$	1
GNZ-0805-BM	GalNAc $\beta$ 1-3(Fuca1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot		1
GNZ-0808-BM	GlcNAc $\beta$ 1-4(GlcNAc $\beta$ 1-6)GalNAc $\alpha$ -sp3-biot		1
GNZ-0809-BM	(GlcNAc $\beta$ 1) <sub>3</sub> -3,4,6GalNAc $\alpha$ -sp3-biot		1

## BM-Series: Biotinylated Monomeric Probes

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0810-BM	GalNAc $\beta$ 1-3(Fuca1-2)Gal $\beta$ -sp3-biot		1
GNZ-0813-BM	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	Le <sup>c</sup> 3` LacNAc	1
GNZ-0814-BM	Gal $\beta$ 1-3GlcNAc $\alpha$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-biot	Le <sup>a</sup> 3` LacNAc	1
GNZ-0815-BM	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp2-biot	Le <sup>c</sup> 3` Le <sup>c</sup>	1
GNZ-0815a-BM	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-biot	Le <sup>c</sup> 3` Le <sup>c</sup>	1
GNZ-0816-BM	GalNAc $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-biot	A (type 1)	1
GNZ-0821-BM	6-O-Su-Gal $\beta$ 1-3GalNAc $\alpha$ -sp3-biot		1
GNZ-0822-BM	Gal $\beta$ 1-3(6-O-Su)GlcNAc $\beta$ -sp2-biot	Le <sup>c</sup> -6-O-sulphate	1
GNZ-0822a-BM	Gal $\beta$ 1-3(6-O-Su)GlcNAc $\beta$ -sp3-biot		1
GNZ-0823-BM	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(2-O-Su-Fuca1-3)(6-O-Su)GlcNAc $\beta$ -sp3-biot	SLe <sup>x</sup> -6(GlcNAc)-2(Fuc)-di-sulfate	0.5
GNZ-0828-BM	Fuca1-2(3-O-Su)Gal $\beta$ -sp3-biot	H <sub>di</sub> -3-O-sulphate	1
GNZ-0835a-BM	Neu5Ac $\alpha$ 2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc $\beta$ -sp4-biot	GM2	0.5
GNZ-0837-BM	4-O-Su-Gal $\beta$ -sp3-biot	$\beta$ -D-galactose-4-O-sulfate	1
GNZ-0840-BM	6-O-Su-Gal $\beta$ 1-3GlcNAc $\beta$ -sp2-biot	Le <sup>c</sup> -6`-O-sulphate	1
GNZ-0842-BM	Gal $\beta$ 1-3GlcNAc $\beta$ 1-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-biot	Le <sup>c</sup> 6` LacNAc	1
GNZ-0847-BM	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-biot	B (type 1)	1
GNZ-0848-BM	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GalNAc $\alpha$ -sp3	B (type 3)	1
GNZ-0849-BM	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GalNAc $\beta$ -sp3	B (type 4)	1
GNZ-0852-BM	Gal $\alpha$ 1-3GlcNAc $\beta$ -sp3		1
GNZ-0854d-BM	(GlcA $\beta$ 1-3GlcNAc $\beta$ 1-4) <sub>13</sub> -sp6	hyaluronic acid	1
GNZ-0855-BM	GlcNAc $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3	6-O-Su-chitobiose	1
GNZ-0857-BM	Gal $\alpha$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ -sp3	Galili(tetra)	1
GNZ-0859-BM	3-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	(3` SuLN)3LN	1
GNZ-0860-BM	GalNAc $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GalNAc $\alpha$ -sp3	A (type 3)	1
GNZ-0864-BM	GlcNAc $\alpha$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	GlcNAc $\alpha$ 3` LacNAc	1
GNZ-0864a-BM	GlcNAc $\alpha$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0865a-BM	Gal $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	Gal $\beta$ 3`LacNAc	1
GNZ-0866-BM	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3(GlcNAc $\beta$ 1-6)Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0867-BM	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3(Gal $\beta$ 1-4GlcNAc $\beta$ 1-6)Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0870-BM	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LacNAc3` LacNAc	1
GNZ-0870a-BM	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3		1
GNZ-0871-BM	Gal $\beta$ 1-4GlcNAc $\beta$ 1-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LacNAc6` LacNAc	1
GNZ-0872-BM	Neu5Gc $\beta$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6` Sia(Gc) $\beta$ LacNAc	0.5
GNZ-0874-BM	Gal $\beta$ 1-4(Fuc $\beta$ 1-3)GlcNAc $\beta$ -sp3		1
GNZ-0880-BM	3,6-O-Su <sub>2</sub> -Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp2	LacNAc-3`,6,6`-tri-O-sulphate	1
GNZ-0881-BM	3-O-Su-Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3	LacNAc-3`,6-di-O-sulphate	1
GNZ-0882-BM	3,4-O-Su <sub>2</sub> -Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	LacNAc-3`,4`-di-O-sulphate	1
GNZ-0883-BM	6-O-Su-Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp2	LacNAc-6,6`-di-O-sulphate	1
GNZ-0884-BM	Man $\alpha$ 1-3(Man $\alpha$ 1-6)Man $\alpha$ 1-6(Man $\alpha$ 1-3)Man $\beta$ -sp4		1
GNZ-0885-BM	6-H <sub>2</sub> PO <sub>3</sub> -Glc $\beta$ -sp4	$\beta$ -D-glycose-6-O-phosphate	1
GNZ-0886-BM	3,6-O-Su <sub>2</sub> -Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0887a-BM	GlcNAc $\beta$ 1-4Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	GlcNAc4` LacNAc	1
GNZ-0901-BM	6-O-Su-Gal $\beta$ 1-4(6-O-Su)Glc $\beta$ -sp2	Lac-6,6`-di-O-sulphate	1
GNZ-0902-BM	Glc $\beta$ 1-6Glc $\beta$ -sp4	Gentiobiose	1
GNZ-0907-BM	Neu5Ac $\beta$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6` Sia $\beta$ LacNAc	0.5
GNZ-0908-BM	Neu5Ac $\alpha$ 2-6Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3	6` SLN-6-O-sulphate	0.5
GNZ-0909a-BM	4-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0918a-BM	4,6-O-Su <sub>2</sub> -Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LacNAc-4`,6`-di-O-sulphate	1
GNZ-0921-BM	4-O-Su-GlcNAc $\beta$ -sp2	$\beta$ -D-GlcNAc-4-O-sulfate	1
GNZ-0922-BM	GalNAc $\alpha$ 1-4GalNAc $\alpha$ -sp3		1
GNZ-0925-BM	Neu5Ac $\alpha$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3		1

## BM-Series: Biotinylated Monomeric Probes

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0931-BM	Glcα1-4Glcα1-4Glcα1-4Glcβ-sp4	maltotetraose	1
GNZ-0932-BM	Glcα1-4Glcα1-4Glcβ-sp4	maltotriose	1
GNZ-0934-BM	6-O-Su-GalNAcβ1-4(3-O-Ac)GlcNAcβ-sp3	3-O-Ac-LacdiNac-6`-sulphate	1
GNZ-0935-BM	4,6-O-Su <sub>2</sub> -GalNAcβ1-4GlcNAcβ-sp3	LacdiNac-4`,6`-di-O-sulphate	1
GNZ-0936-BM	4-O-Su-GalNAcβ1-4GlcNAcβ-sp3		1
GNZ-0937-BM	6-O-Su-GalNAcβ1-4GlcNAcβ-sp3	6`-O-su-LacdiNac	1
GNZ-0941-BM	3-O-Su-GlcNAcβ-sp3	β-D-GlcNAc-3-O-sulfate	1
GNZ-0946-BM	Manα1-4Manβ-sp4		1
GNZ-0949-BM	Neu5Aca2-3Galβ1-3(6-O-Su)GlcNAcβ-sp3	3`SiaLec-6-O-sulphate	0.5
GNZ-0951-BM	Neu5Aca2-3Galβ1-4(6-O-Su)GlcNAcβ-sp3	3`SLN-6-O-sulphate	0.5
GNZ-0952-BM	3-O-Su-GalNAcβ-sp3	β-D-GalNAc-3-O-sulfate	1
GNZ-0953-BM	4-O-Su-GalNAcβ-sp3	β-D-GalNAc-4-O-sulfate	1
GNZ-0955-BM	Galβ1-4(Galβ1-3)GlcNAcβ-sp3		1
GNZ-0956-BM	Neu5Gca2-3Galβ1-4GlcNAcβ-sp3	3`Sia(Gc)LacNAc	0.5
GNZ-0957-BM	Neu5Gca2-6Galβ1-4GlcNAcβ-sp3	6`Sia(Gc)LacNAc	0.5
GNZ-0958-BM	GlcNAcβ1-3Galβ1-4GlcNAcβ-sp2	GlcNAcβ3`LacNAc	1
GNZ-0958a-BM	GlcNAcβ1-3Galβ1-4GlcNAcβ-sp3	GlcNAcβ3`LacNAc	1
GNZ-0959-BM	Glcα1-6Glcα1-6Glcβ-sp4	Isomaltotriose	1
GNZ-0966-BM	Galα1-3(Fuca1-2)Galβ1-3(Fuca1-4)GlcNAcβ-sp3	BLE <sup>b</sup>	1
GNZ-0967-BM	GalNAca1-3(Fuca1-2)Galβ1-4(Fuca1-3)GlcNAcβ-sp3	ALe <sup>y</sup>	1
GNZ-0968-BM	Galα1-3(Fuca1-2)Galβ1-4(Fuca1-3)GlcNAcβ-sp3	BLE <sup>y</sup>	0.5
GNZ-0972-BM	GlcNAcβ1-4[3-O-CH(CH <sub>3</sub> )COOH]GlcNAcβ-sp4	GlcNAc-Mur	1
GNZ-0973-BM	GlcNAcβ1-4[3-O-CH(CH <sub>3</sub> )COOH]GlcNAca-sp4		1
GNZ-0976-BM	GlcAβ1-3Galβ-sp3	GlcA3Gal	1
GNZ-0977-BM	Neu5Aca2-6(Galα1-3)GalNAca-sp3	6SiaT <sub>aa</sub>	0.5
GNZ-0978-BM	GlcAβ1-6Galβ-sp3	GlcAβ6Gal	1
GNZ-0980-BM	Galβ1-4GlcNAcβ1-6(Galβ1-3)GalNAca-sp3	LacNAc6TF	0.5
GNZ-0982-BM	GlcNAcβ1-4GlcNAβ1-4GlcNAcβ-sp4	chitotriose	1
GNZ-0984-BM	Neu5Aca2-6(Galβ1-3)GalNAca-sp3	6SiaTF	0.5
GNZ-0985-BM	Neu5Acβ2-6(Galβ1-3)GalNAca-sp3	6SiaβTF	0.5
GNZ-0986-BM	Neu5Acβ2-6GalNAca-sp3	SiaβT <sub>n</sub>	0.5
GNZ-0991-BM	Galα1-4GalNAca-sp3		1
GNZ-0993-BM	Neu5Aca2-3GalNAca-sp3	3-SiaT <sub>n</sub>	0.5
GNZ-0995-BM	Galβ1-4GlcNAβ1-3GalNAca-sp3	LacNAc3T <sub>n</sub>	1
GNZ-0996-BM	Galβ1-4GlcNAβ1-6GalNAca-sp3	LacNAc6T <sub>n</sub>	1
GNZ-0997-BM	Neu5Aca2-6Galβ1-4GlcNAcβ-sp3	6`SLN	1
GNZ-0998-BM	6-O-Su-GalNAca-sp3	α-D-GalNAc-6-O-sulfate	1

## BP-Series: Biotinylated Polymeric Probes

This series includes HOCH<sub>2</sub>CH<sub>2</sub>NH<sub>3</sub><sup>+</sup>-salts for acidic sugars. The affinity of these probes is 10<sup>2</sup> to 10<sup>5</sup> times higher than that of the corresponding free sugars. The spacer-arm is normally -(CH<sub>2</sub>)<sub>3</sub><sup>-</sup>, while the spacer arm for biotin is -(CH<sub>2</sub>)<sub>6</sub><sup>-</sup>. The flexible polymer chain behaves as an additional spacer. Used as a high molecular weight carrier, poly[N-(2-hydroxyethyl)acrylamide], abbreviated as PAA, has low non-specific sorption, and is stable to chemical and proteolytic action.

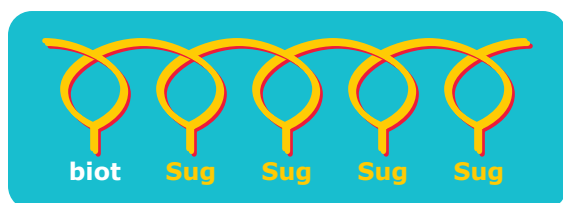
**Molecular mass:** approx. 30 kDa

**Content:** saccharide 20% mol., biotin 5% mol.

**Purity:** synthetic ω-aminoalkyl glycosides used for coupling with the polymer have a purity of >95% (HPLC and <sup>1</sup>H-NMR)

### Applications:

- Construction of glycol-surfaces, glycol-beads, multi-arrays
- Revealing lectins in assays, flow cytometry, histochemistry



Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0000-BP	HOCH <sub>2</sub> (HOCH) <sub>4</sub> CH <sub>2</sub> NH <sub>2</sub> -PAA-biot	aminoglucitol	1
GNZ-0001-BP	GalNAcβ1-4GlcNAcβ-sp3-PAA-biot	LacdiNAc	1
GNZ-0004-BP	GlcNAcβ1-3(GlcNAcβ1-6)Galβ1-4GlcNAcβ-sp2-PAA-biot	Tk	1
GNZ-0006-BP	GalNAca1-3(Fuca1-2)Galβ1-4GlcNAcβ-sp3-PAA-biot	A (type 2)	1
GNZ-0007-BP	Gala1-3(Fuca1-2)Galβ1-4GlcNAcβ-sp3-PAA-biot	B (type 2)	1
GNZ-0008-BP	Gala1-4Galβ1-4GlcNAcβ-sp3-PAA-biot	P <sub>1</sub>	1
GNZ-0009-BP	Gala1-3Galβ1-4(Fuca1-3)GlcNAcβ-sp3-PAA-biot		1
GNZ-0011-BP	GlcNAcβ1-2Galβ1-3GalNAca-sp3-PAA-biot	GlcNAcβ1-2`TF	1
GNZ-0012-BP	GlcAβ-sp3-PAA-biot	β-glucuronate	1
GNZ-0013-BP	Glcβ1-4GalNAca-sp3-PAA-biot		1
GNZ-0014-BP	Manβ-sp4-PAA-biot	β-D-mannose	1
GNZ-0015-BP	Gala1-4GlcNAcβ-sp3-PAA-biot	αLN	1
GNZ-0015a-BP	Gala1-4GlcNAcβ-sp8-PAA-biot	αLN	1
GNZ-0016-BP	Neu5Acβ-sp9-PAA-biot	β-N-acetylneuraminic acid	1
GNZ-0017-BP	Neu5Gca2-3(6-O-Su-)Galβ1-4(Fuca1-3)GlcNAcβ-sp3-PAA-biot	SiaLex <sup>x</sup> -6(Gal)-O-sulfate	0.5
GNZ-0018-BP	Neu5Gca-sp3-PAA-biot	α-N-glycolylneuraminic acid	1
GNZ-0019-BP	Glcα1-4Glcβ-sp3-PAA-biot	maltose	1
GNZ-0020-BP	Neu5Aca2-3Galβ1-4(Fuca1-3)(6-O-Su-)GlcNAcβ-sp3-PAA-biot	SiaLex-6(GlcNAc)-O-sulfate	0.5
GNZ-0021-BP	Glcα-sp3-PAA-biot	α-D-glucose	1
GNZ-0022-BP	Glcβ-sp3-PAA-biot	β-D-glucose	1
GNZ-0022b-BP	Glcβ-sp4-PA-biot		1
GNZ-0023-BP	Gala-sp3-PAA-biot	α-D-galactose	1
GNZ-0024-BP	Galβ-sp3-PAA-biot	β-D-galactose	1
GNZ-0024a-BP	Galβ-sp4-PAA-biot		1
GNZ-0025a-BP	Mana-sp3-PAA-biot	α-mannose	1
GNZ-0026-BP	6-H <sub>2</sub> PO <sub>3</sub> -Mana-sp3-PAA-biot	α-D-mannose-6-phosphate	1
GNZ-0027-BP	L-Fuca-sp3-PAA-biot	α-L-fucose	1
GNZ-0028-BP	L-Rhaa-sp3-PAA-biot	α-L-rhamnose	1
GNZ-0029-BP	GlcNAcβ-sp3-PAA-biot	β-D-N-acetylglucosamine	1



## BP-Series: Biotinylated Polymeric Probes

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0029a-BP	GlcNAc $\beta$ -sp2-PAA-biot		1
GNZ-0029d-BP	GlcNAc $\beta$ -sp4-PAA-biot		1
GNZ-0033-BP	Gala1-4Gal $\beta$ -sp3-PAA-biot		1
GNZ-0034-BP	3-O-Su-Gal $\beta$ -sp3-PAA-biot	$\beta$ -D-galactose-3-O-sulfate	1
GNZ-0035-BP	Neu5Aca-sp3-PAA-biot	$\alpha$ -N-acetylneuraminic acid	1
GNZ-0035a-BP	Neu5Aca-sp9-PAA-biot	$\alpha$ -N-acetylneuraminic acid	1
GNZ-0036-BP	Neu5Aca2-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-biot	3`SLN	0.5
GNZ-0037-BP	Gala1-4Gal $\beta$ 1-4Glc $\beta$ -sp2-PAA-biot	P <sup>k</sup> , Gb3, GbOse <sub>3</sub>	1
GNZ-0038-BP	Gala1-3GalNAc $\beta$ -sp3-PAA-biot	T <sub>0<math>\beta</math></sub>	1
GNZ-0039-BP	Gal $\beta$ 1-3Gal $\beta$ -sp3-PAA-biot		1
GNZ-0040-BP	Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-PAA-biot	Le <sup>a</sup>	1
GNZ-0041-BP	Fuca1-2Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-PAA-biot	Le <sup>b</sup>	1
GNZ-0042-BP	Fuca1-2Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA-biot	Le <sup>d</sup> , H (type 1)	1
GNZ-0043-BP	Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA-biot	Le <sup>e</sup>	1
GNZ-0044-BP	Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA-biot	Le <sup>x</sup>	1
GNZ-0045-BP	Fuca1-2Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA-biot	Le <sup>v</sup>	1
GNZ-0046a-BP	Gal $\beta$ 1-4Glc $\beta$ -sp2-PAA-biot	Lac	1
GNZ-0047-BP	Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-biot	N-acetyllactosamine	1
GNZ-0047d-BP	Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-PAA-biot	N-acetyllactosamine	1
GNZ-0048-BP	Gal $\beta$ 1-3GalNAca-sp3-PAA-biot	TF, core 1	1
GNZ-0049-BP	Fuca1-3GlcNAc $\beta$ -sp3-PAA-biot		1
GNZ-0050-BP	Fuca1-4GlcNAc $\beta$ -sp3-PAA-biot	Le	1
GNZ-0051-BP	GalNAca1-3GalNAc $\beta$ -sp3-PAA-biot	Fs	1
GNZ-0052-BP	GalNAca1-3GalNAca-sp3-PAA-biot	core 5	1
GNZ-0053-BP	Gala1-3GalNAca-sp3-PAA-biot	T <sub>007</sub> , core 8	1
GNZ-0054-BP	Neu5Aca2-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA-biot	SiaLe <sup>c</sup>	0.5
GNZ-0055-BP	Gala1-2Gal $\beta$ -sp3-PAA-biot		1
GNZ-0056-BP	Gal $\beta$ 1-3GalNAc $\beta$ -sp3-PAA-biot	T <sub>0<math>\beta\beta</math></sub>	1
GNZ-0057-BP	GlcNAc $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-biot	chitobiose	1
GNZ-0057a-BP	GlcNAc $\beta$ 1-4GlcNAc $\beta$ -sp4-PAA-biot	chitobiose	1
GNZ-0058-BP	Neu5Aca2-6GalNAca-sp3-PAA-biot	SiaT <sub>n</sub>	0.5
GNZ-0059-BP	Fuca1-2Gal $\beta$ 1-3GalNAca-sp3-PAA-biot	H (type 3)	1
GNZ-0060-BP	Neu5Aca2-3Gal $\beta$ 1-4Glc $\beta$ -sp4-PAA-biot	3`SL	0.5
GNZ-0061-BP	Neu5Ac&alpha;2-3Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-PAA-biot	SiaLe <sup>a</sup>	0.5
GNZ-0062-BP	Neu5Aca2-3Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA-biot	SiaLe <sup>x</sup>	0.5
GNZ-0063a-BP	Neu5Aca2-6Gal $\beta$ 1-4Glc $\beta$ -sp2-PAA-biot	6`SL	0.5
GNZ-0064-BP	6-O-Su-GlcNAc $\beta$ -sp3-PAA-biot	$\beta$ -D-GlcNAc-6-O-sulfate	1
GNZ-0065-BP	3-O-Su-Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-PAA-biot	suLe <sup>a</sup>	0.5
GNZ-0066-BP	3-O-Su-Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA-biot	suLe <sup>x</sup>	0.5
GNZ-0067a-BP	3-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-PAA-biot		1
GNZ-0068-BP	3-O-Su-Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA-biot	Lec-3`-O-sulphate	1
GNZ-0070-BP	Gala1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-biot	Galili	1
GNZ-0071-BP	GlcNAc $\beta$ 1-4GalNAca-sp3-PAA-biot		1
GNZ-0073-BP	Neu5Aca2-8Neu5Aca2-8Neu5Aca-sp3-PAA-biot	(Sia) <sub>3</sub>	1
GNZ-0075-BP	GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GalNAca-sp3-PAA-biot	GlcNAc $\beta$ 1-3`TF	1
GNZ-0076-BP	Gal $\beta$ 1-2Gal $\beta$ -sp3-PAA-biot		1
GNZ-0077a-BP	Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp2-PAA-biot		1
GNZ-0078-BP	GlcNAc $\beta$ 1-6(Gal $\beta$ 1-3)GalNAca-sp3-PAA-biot	core 2	1
GNZ-0079-BP	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-biot	(LN) <sub>3</sub>	1
GNZ-0080-BP	Fuca1-2Gal $\beta$ 1-3GalNAc $\beta$ -sp3-PAA-biot	H (type 4)	1
GNZ-0082-BP	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4-PAA-biot	LNnT	1

## BP-Series: Biotinylated Polymeric Probes

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0083-BP	Neu5Aca2-3Galβ-sp3-PAA-biot	GM4	1
GNZ-0084-BP	Neu5Aca2-6Galβ-sp3-PAA-biot		0.5
GNZ-0085-BP	GalNAca1-3(Fuca1-2)Galβ-sp3-PAA-biot	A <sub>tri</sub>	1
GNZ-0085a-BP	GalNAca1-3(Fuc&alpha;1-2)Galβ-sp5-PAA-biot	A <sub>tri</sub>	1
GNZ-0086-BP	Gala1-3(Fuca1-2)Galβ-sp3-PAA-biot	B <sub>tri</sub>	1
GNZ-0086a-BP	Gala1-3(Fuca1-2)Galβ-sp5-PAA-biot	B <sub>tri</sub>	1
GNZ-0087-BP	GalNAca1-3Galβ-sp3-PAA-biot	A <sub>di</sub>	1
GNZ-0088-BP	Gala1-3Galβ-sp3-PAA-biot	B <sub>di</sub>	1
GNZ-0089-BP	Fuca1-2Galβ1-4GlcNAcβ-sp3-PAA-biot	H (type 2)	1
GNZ-0090a-BP	6-O-Su-Galβ1-4GlcNAcβ-sp2-PAA-biot	LacNAc-6-O-sulfate	1
GNZ-0091-BP	Fuca1-2Galβ-sp3-PAA-biot	H <sub>di</sub>	1
GNZ-0092-BP	3-O-Su-Galβ1-3GalNAca-sp3-PAA-biot	TF-3`-O-sulphate	1
GNZ-0093a-BP	GalNAcβ1-4(6-O-Su)GlcNAcβ-sp3-PAA-biot		1
GNZ-0095-BP	GalNAcβ1-3GalNAcβ-sp3-PAA-biot	para-Fs	1
GNZ-0096-BP	Neu5Aca2-3Galβ1-3GalNAca-sp3-PAA-biot	3`SiaTF	1
GNZ-0097-BP	GlcNAcβ1-3GalNAca-sp3-PAA-biot	core 3	1
GNZ-0098-BP	GlcNAcβ1-6GalNAca-sp3-PAA-biot	core 6	1
GNZ-0099-BP	GlcNAcβ1-3(GlcNAcβ1-6)GalNAca-sp3-PAA-biot	core 4	1
GNZ-0600-BP	Glcβ1-3GlcNAcβ-sp3-PAA-biot		1
GNZ-0602-BP	Glcβ1-3GalNAcβ-sp3-PAA-biot		1
GNZ-0605-BP	GlcNAcβ1-2Galβ-sp3-PAA-biot		1
GNZ-0607-BP	Fucβ1-2Galβ1-3GlcNAcβ-sp3-PAA-biot		1
GNZ-0608-BP	GlcNAcβ1-4Galβ-sp3-PAA-biot	GlcNAcβ4Galβ	1
GNZ-0609-BP	L-Glcβ-sp4-PAA-biot		1
GNZ-0709-BP	Neu5Gca2-3Galβ-sp3-PAA-biot	Neu5Gca3Gal	0.5
GNZ-0721-BP	GalNAca1-3(Fuca1-2)Galβ1-3GalNAcβ-sp3-PAA-biot	A (type 4)	1
GNZ-0724-BP	GlcNAca1-3GalNAcβ-sp3-PAA-biot		1
GNZ-0726-BP	L-Rhaβ-sp4-PAA-biot	β-L-rhamnose	1
GNZ-0728-BP	GlcNAca-sp3-PAA-biot	α-D-N-acetylglucosamine	1
GNZ-0730-BP	Neu5Gca2-3Galβ1-3(6-O-Su)GlcNAcβ-sp3-PAA-biot		1
GNZ-0731-BP	Neu5Gca2-3Galβ1-4(6-O-Su)GlcNAcβ-sp3-PAA-biot		1
GNZ-0736-BP	Xylβ-sp4-PAA-biot	β-D-xylopyranose	1
GNZ-0738-BP	L-Araa-sp4-PAA-biot	α-L-arabinose	1
GNZ-0740-BP	Fucβ1-2Galβ1-4GlcNAcβ-sp3-PAA-biot		1
GNZ-0744-BP	Ribβ-sp4-PAA-biot	β-D-ribose	1
GNZ-0745-BP	Fucβ1-2Galβ1-4(Fuca1-3)GlcNAcβ-sp3-PAA-biot		1
GNZ-0747-BP	GalNAca1-3Galβ1-4GlcNAcβ-sp3-PAA-biot	GalNAca3`LN	1
GNZ-0748-BP	GalNAcβ1-3Galβ1-4GlcNAcβ-sp3-PAA-biot	GalNAcβ3`LN	1
GNZ-0755-BP	GalNAca1-3Galβ1-4(Fuca1-3)GlcNAcβ-sp3-PAA-biot		1
GNZ-0757-BP	Neu5Aca2-6(Fuca1-2)Galβ1-4GlcNAcβ-sp3-PAA-biot	Sia6`H(type 2)	0.5
GNZ-0762-BP	6-O-Su-Galβ-sp3-PAA-biot	β-D-galactose-6-O-sulfate	1
GNZ-0763-BP	Neu5Aca2-3(6-O-Su)Galβ1-4(6-O-Su)GlcNAcβ-sp3-PAA-biot	3`SLN-6,6`-di-O-sulfate	0.5
GNZ-0769-BP	3-O-Su-GalNAca-sp3-PAA-biot	T <sub>n</sub> -3-O-sulfate	1
GNZ-0770-BP	GalNGcβ-sp3-PAA-biot	β-D-N-glycolylgalactosamine	1
GNZ-0773-BP	Galβ1-3GalNGca-sp3-PAA-biot		1
GNZ-0778-BP	4-O-Su-GalNAca-sp3-PAA-biot	T <sub>n</sub> -4-O-sulfate	1
GNZ-0785-BP	Neu5Aca2-3(6-O-Su)Galβ1-3GalNAca-sp3-PAA-biot	3`SiaTF-6`-O-sulfate	0.5
GNZ-0786-BP	Galβ1-3GlcNAcβ1-3GalNAca-sp3-PAA-biot	Le <sup>c</sup> 3T <sub>n</sub>	1
GNZ-0789-BP	Galβ1-3(6-O-Su)GalNAca-sp3-PAA-biot	TF-6-O-sulfate	1
GNZ-0799-BP	Fucβ-sp4-PAA-biot	β-L-fucose	1
GNZ-0800-BP	GalNAca1-4Galβ-sp3-PAA-biot	GalNAca1-4Galβ	1

## BP-Series: Biotinylated Polymeric Probes

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0805-BP	GalNAc $\beta$ 1-3(Fuca1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-biot		1
GNZ-0808-BP	GlcNAc $\beta$ 1-4(GlcNAc $\beta$ 1-6)GalNAca-sp3-PAA-biot		1
GNZ-0809-BP	(GlcNAc $\beta$ 1) <sub>3</sub> -3,4,6GalNAca-sp3-PAA-biot		1
GNZ-0810-BP	GalNAc $\beta$ 1-3(Fuca1-2)Gal $\beta$ -sp3		1
GNZ-0813-BP	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-biot	Le <sup>e</sup> 3`LacNAc	1
GNZ-0814-BP	Gal $\beta$ 1-3GlcNAca1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-biot	Le <sup>e</sup> 3`LacNAc	1
GNZ-0815-BP	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp2-PAA-biot	Le <sup>e</sup> 3`Lec	1
GNZ-0815a-BP	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA-biot	Le <sup>e</sup> 3`Lec	1
GNZ-0816-BP	GalNAca1-3(Fuca1-2)Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA-biot	A (type 1)	1
GNZ-0821-BP	6-O-Su-Gal $\beta$ 1-3GalNAca-sp3-PAA-biot		1
GNZ-0822-BP	Gal $\beta$ 1-3(6-O-Su)GlcNAc $\beta$ -sp2-PAA-biot	Le <sup>e</sup> -6-O-sulphate	1
GNZ-0822a-BP	Gal $\beta$ 1-3(6-O-Su)GlcNAc $\beta$ -sp3-PAA-biot		1
GNZ-0823-BP	Neu5Aca2-3Gal $\beta$ 1-4(2-O-Su-Fuca1-3)(6-O-Su)GlcNAc $\beta$ -sp3-PAA-biot	SLe <sup>x</sup> -6 <sup>(GlcNAc)</sup> -2 <sup>(Fuc)</sup> -di-sulfate	0.5
GNZ-0828-BP	Fuca1-2(3-O-Su)Gal $\beta$ -sp3-PAA-biot	H <sub>di</sub> -3-O-sulphate	1
GNZ-0835a-BP	Neu5Aca2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc $\beta$ -sp4-PAA-biot	GM2	0.5
GNZ-0837-BP	4-O-Su-Gal $\beta$ -sp3-PAA-biot	$\beta$ -D-galactose-4-O-sulfate	1
GNZ-0840-BP	6-O-Su-Gal $\beta$ 1-3GlcNAc $\beta$ -sp2-PAA-biot	Le <sup>e</sup> -6`-O-sulphate	1
GNZ-0842-BP	Gal $\beta$ 1-3GlcNAc $\beta$ 1-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-PAA-biot	Le <sup>e</sup> 6`LacNAc	1
GNZ-0847-BP	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA-biot	B (type 1)	1
GNZ-0848-BP	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GalNAca-sp3	B (type 3)	1
GNZ-0849-BP	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GalNAc $\beta$ -sp3	B (type 4)	1
GNZ-0852-BP	Gal $\alpha$ 1-3GlcNAc $\beta$ -sp3		1
GNZ-0854d-BP	(GlcA $\beta$ 1-3GlcNAc $\beta$ 1-4)13-sp6	hyaluronic acid	1
GNZ-0855-BP	GlcNAc $\beta$ 1-4(6-O-Su)GlcNA $\beta$ -sp3	6-O-Su-chitobiose	1
GNZ-0857-BP	Gal $\alpha$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ -sp3	Galili(tetra)	1
GNZ-0859-BP	3-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	(3`SuLN)3LN	1
GNZ-0860-BP	GalNAca1-3(Fuca1-2)Gal $\beta$ 1-3GalNAca-sp3	A (type 3)	1
GNZ-0864-BP	GlcNAca1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	GlcNAca3`LacNAc	1
GNZ-0864a-BP	GlcNAca1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0865a-BP	Gal $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	Gal $\beta$ 3`LacNAc	1
GNZ-0866-BP	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3(GlcNAc $\beta$ 1-6)Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0867-BP	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3(Gal $\beta$ 1-4GlcNAc $\beta$ 1-6)Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0870-BP	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LacNAc3`LacNAc	1
GNZ-0870a-BP	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3		1
GNZ-0871-BP	Gal $\beta$ 1-4GlcNAc $\beta$ 1-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LacNAc6`LacNAc	1
GNZ-0872-BP	Neu5Gc $\beta$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6`Sia(Gc) $\beta$ LacNAc	0.5
GNZ-0874-BP	Gal $\beta$ 1-4(Fuc $\beta$ 1-3)GlcNAc $\beta$ -sp3		1
GNZ-0880-BP	3,6-O-Su <sub>2</sub> -Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp2	LacNAc-3`,6,6`-tri-O-sulphate	1
GNZ-0881-BP	3-O-Su-Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3	LacNAc-3`,6-di-O-sulphate	1
GNZ-0882-BP	3,4-O-Su <sub>2</sub> -Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	LacNAc-3`,4`-di-O-sulphate	1
GNZ-0883-BP	6-O-Su-Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp2	LacNAc-6,6`-di-O-sulphate	1
GNZ-0884-BP	Man $\alpha$ 1-3(Man $\alpha$ 1-6)Man $\alpha$ 1-6(Man $\alpha$ 1-3)Man $\beta$ -sp4		1
GNZ-0885-BP	6-H <sub>2</sub> PO <sub>3</sub> -Glc $\beta$ -sp4	$\beta$ -D-glycose-6-O-phosphate	1
GNZ-0886-BP	3,6-O-Su <sub>2</sub> -Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0887a-BP	GlcNAc $\beta$ 1-4Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	GlcNAc4`LacNAc	1
GNZ-0901-BP	6-O-Su-Gal $\beta$ 1-4(6-O-Su)Glc $\beta$ -sp2	Lac-6,6`-di-O-sulphate	1
GNZ-0902-BP	Glc $\beta$ 1-6Glc $\beta$ -sp4	Gentiobiose	1
GNZ-0907-BP	Neu5Ac $\beta$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6`Sia $\beta$ LacNAc	0.5
GNZ-0908-BP	Neu5Aca2-6Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3	6`SLN-6-O-sulphate	0.5
GNZ-0909a-BP	4-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0918a-BP	4,6-O-Su <sub>2</sub> -Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LacNAc-4`,6`-di-O-sulphate	1

## BP-Series: Biotinylated Polymeric Probes

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0921-BP	4-O-Su-GlcNAc $\beta$ -sp2	$\beta$ -D-GlcNAc-4-O-sulfate	1
GNZ-0922-BP	GalNAca1-4GalNAca-sp3		1
GNZ-0925-BP	Neu5Aca2-6Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3		1
GNZ-0931-BP	Glc $\alpha$ 1-4Glc $\alpha$ 1-4Glc $\alpha$ 1-4Glc $\beta$ -sp4	maltotetraose	1
GNZ-0932-BP	Glc $\alpha$ 1-4Glc $\alpha$ 1-4Glc $\beta$ -sp4	maltotriose	1
GNZ-0934-BP	6-O-Su-GalNAc $\beta$ 1-4(3-O-Ac)GlcNAc $\beta$ -sp3	3-O-Ac-LacdiNAc-6`-sulphate	1
GNZ-0935-BP	4,6-O-Su <sub>2</sub> -GalNAc $\beta$ 1-4GlcNAc $\beta$ -sp3	LacdiNAc-4`,6`-di-O-sulphate	1
GNZ-0936-BP	4-O-Su-GalNAc $\beta$ 1-4GlcNAc $\beta$ -sp3		1
GNZ-0937-BP	6-O-Su-GalNAc $\beta$ 1-4GlcNAc $\beta$ -sp3	6`-O-su-LacdiNAc	1
GNZ-0941-BP	3-O-Su-GlcNAc $\beta$ -sp3	$\beta$ -D-GlcNAc-3-O-sulfate	1
GNZ-0946-BP	Man $\alpha$ 1-4Man $\beta$ -sp4		1
GNZ-0949-BP	Neu5Aca2-3Gal $\beta$ 1-3(6-O-Su)GlcNAc $\beta$ -sp3	3`SiaLe <sup>c</sup> -6-O-sulphate	0.5
GNZ-0951-BP	Neu5Aca2-3Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3	3`SLN-6-O-sulphate	0.5
GNZ-0952-BP	3-O-Su-GalNAc $\beta$ -sp3	$\beta$ -D-GalNAc-3-O-sulfate	1
GNZ-0953-BP	4-O-Su-GalNAc $\beta$ -sp3	$\beta$ -D-GalNAc-4-O-sulfate	1
GNZ-0955-BP	Gal $\beta$ 1-4(Gal $\beta$ 1-3)GlcNAc $\beta$ -sp3		1
GNZ-0956-BP	Neu5Gca2-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	3`Sia(Gc)LacNAc	0.5
GNZ-0957-BP	Neu5Gca2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6`Sia(Gc)LacNAc	0.5
GNZ-0958-BP	GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	GlcNAc $\beta$ 3`LacNAc	1
GNZ-0958a-BP	GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	GlcNAc $\beta$ 3`LacNAc	1
GNZ-0959-BP	Glc $\alpha$ 1-6Glc $\alpha$ 1-6Glc $\beta$ -sp4	Isomaltotriose	1
GNZ-0966-BP	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3	BLE <sup>b</sup>	1
GNZ-0967-BP	GalNAca1-3(Fuca1-2)Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3	ALe <sup>y</sup>	1
GNZ-0968-BP	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3	BLE <sup>y</sup>	0.5
GNZ-0972-BP	GlcNAc $\beta$ 1-4[3-O-CH(CH <sub>3</sub> )COOH]GlcNAc $\beta$ -sp4	GlcNAc-Mur	1
GNZ-0973-BP	GlcNAc $\beta$ 1-4[3-O-CH(CH <sub>3</sub> )COOH]GlcNAca-sp4		1
GNZ-0976-BP	GlcA $\beta$ 1-3Gal $\beta$ -sp3	GlcA3Gal	1
GNZ-0977-BP	Neu5Aca2-6(Gal $\alpha$ 1-3)GalNAca-sp3	6SiaT <sub>aa</sub>	0.5
GNZ-0978-BP	GlcA $\beta$ 1-6Gal $\beta$ -sp3	GlcA $\beta$ 6Gal	1
GNZ-0980-BP	Gal $\beta$ 1-4GlcNAc $\beta$ 1-6(Gal $\beta$ 1-3)GalNAca-sp3	LacNAc6TF	0.5
GNZ-0982-BP	GlcNAc $\beta$ 1-4GlcNA $\beta$ 1-4GlcNAc $\beta$ -sp4	chitotriose	1
GNZ-0984-BP	Neu5Aca2-6(Gal $\beta$ 1-3)GalNAca-sp3	6SiaTF	0.5
GNZ-0985-BP	Neu5Ac $\beta$ 2-6(Gal $\beta$ 1-3)GalNAca-sp3	6Sia $\beta$ TF	0.5
GNZ-0986-BP	Neu5Ac $\beta$ 2-6GalNAca-sp3	Sia $\beta$ T <sub>n</sub>	0.5
GNZ-0991-BP	Gal $\alpha$ 1-4GalNAca-sp3		1
GNZ-0993-BP	Neu5Aca2-3GalNAca-sp3	3-SiaT <sub>n</sub>	0.5
GNZ-0995-BP	Gal $\beta$ 1-4GlcNA $\beta$ 1-3GalNAca-sp3	LacNAc3T <sub>n</sub>	1
GNZ-0996-BP	Gal $\beta$ 1-4GlcNA $\beta$ 1-6GalNAca-sp3	LacNAc6T <sub>n</sub>	1
GNZ-0997-BP	Neu5Aca2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6`SLN	1
GNZ-0998-BP	6-O-Su-GalNAca-sp3	$\alpha$ -D-GalNAc-6-O-sulfate	1

# FP-Series: Fluorescein-Labelled Polymeric Probes

These probes are designed to reveal lectins, including selectins, directly on cell membranes, organelles, and in cytoplasm. The low fluorescein content ensures that probe solubility in water is not effected, but still allows reliable probe detection. The affinity of the probes is  $10^2$  to  $10^5$  times higher than that of corresponding free sugars.

PAA is poly[N-(2-hydroxyethyl)acrylamide], a flexible polymer chain which serves as an additional spacer. Used as a molecular weight carrier, PAA demonstrates an absence of non-specific interaction with cells, and is stable to chemical and proteolytic action.

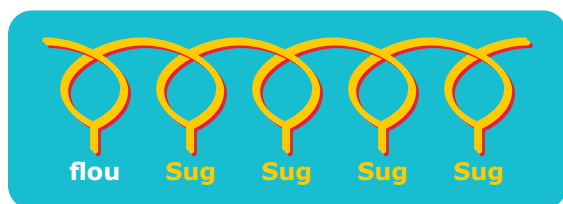
**Molecular mass:** approx. 30 kDa

**Content:** carbohydrate 20% mol.

**Purity:** synthetic  $\omega$ -aminoalkyl glycosides used for coupling with the polymer have a purity of >95% (HPLC and  $^1\text{H-NMR}$ )

## Applications:

- Flow cytometry
- Fluorescence microscopy



Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0000-FP	HOCH <sub>2</sub> (HOCH) <sub>4</sub> CH <sup>2</sup> NH <sub>2</sub> -PAA-fluo	aminoglucitol	0.4
GNZ-0001-FP	GalNAc $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-fluo	LacdiNac	0.4
GNZ-0004-FP	GlcNAc $\beta$ 1-3(GlcNAc $\beta$ 1-6)Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-PAA-fluo	Tk	0.4
GNZ-0006-FP	GalNAca1-3(Fuca1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-fluo	A (type 2)	0.4
GNZ-0007-FP	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-fluo	B (type 2)	0.4
GNZ-0008-FP	Gal $\alpha$ 1-4Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-fluo	P <sub>1</sub>	0.4
GNZ-0009-FP	Gal $\alpha$ 1-3Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA-fluo		0.4
GNZ-0011-FP	GlcNAc $\beta$ 1-2Gal $\beta$ 1-3GalNAca-sp3-PAA-fluo	GlcNAc $\beta$ 1-2`TF	0.4
GNZ-0012-FP	GlcA $\beta$ -sp3-PAA-fluo	$\beta$ -glucuronate	0.4
GNZ-0013-FP	Glc $\beta$ 1-4GalNAca-sp3-PAA-fluo		0.4
GNZ-0014-FP	Man $\beta$ -sp4-PAA-fluo	$\beta$ -D-mannose	0.4
GNZ-0015-FP	Gal $\alpha$ 1-4GlcNAc $\beta$ -sp3-PAA-fluo	$\alpha$ LN	0.4
GNZ-0015a-FP	Gal $\alpha$ 1-4GlcNAc $\beta$ -sp8-PAA-fluo	$\alpha$ LN	0.4
GNZ-0016-FP	Neu5Ac $\beta$ -sp9-PAA-fluo	$\beta$ -N-acetylneuraminic acid	0.4
GNZ-0017-FP	Neu5Aca2-3(6-O-Su-)Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA-fluo	SiaLe <sup>x</sup> -6 <sup>(Gal)</sup> -O-sulfate	0.2
GNZ-0018-FP	Neu5Gca-sp3-PAA-fluo	$\alpha$ -N-glycolylneuraminic acid	0.4
GNZ-0019-FP	Glc $\alpha$ 1-4Glc $\beta$ -sp3-PAA-fluo	maltose	0.4
GNZ-0020-FP	Neu5Aca2-3Gal $\beta$ 1-4(Fuca1-3)(6-O-Su-)GlcNAc $\beta$ -sp3-PAA-fluo	SiaLe <sup>x</sup> -6 <sup>(GlcNAc)</sup> -O-sulfate	0.2
GNZ-0021-FP	Glc $\alpha$ -sp3-PAA-fluo	$\alpha$ -D-glucose	0.4
GNZ-0022-FP	Glc $\beta$ -sp3-PAA-fluo	$\beta$ -D-glucose	0.4
GNZ-0022b-FP	Glc $\beta$ -sp4-PAA-fluo		0.4
GNZ-0023-FP	Gal $\alpha$ -sp3-PAA-fluo	$\alpha$ -D-galactose	0.4
GNZ-0024-FP	Gal $\beta$ -sp3-PAA-fluo	$\beta$ -D-galactose	0.4
GNZ-0024a-FP	Gal $\beta$ -sp4-PAA-fluo		0.4
GNZ-0025a-FP	Man $\alpha$ -sp3-PAA-fluo	$\alpha$ -mannose	0.4
GNZ-0026-FP	6-H <sub>2</sub> PO <sub>3</sub> -Man $\alpha$ -sp3-PAA-fluo	$\alpha$ -D-mannose-6-phosphate	0.4
GNZ-0027-FP	L-Fuca-sp3-PAA-fluo	$\alpha$ -L-fucose	0.4

## FP-Series: Fluorescein-Labelled Polymeric Probes

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0028-FP	L-Rhaa-sp3-PAA-fluo	$\alpha$ -L-rhamnose	0.4
GNZ-0029-FP	GlcNAc $\beta$ -sp3-PAA-fluo	$\beta$ -D-N-acetylglucosamine	0.4
GNZ-0029a-FP	GlcNAc $\beta$ -sp2-PAA-fluo		0.4
GNZ-0029d-FP	GlcNAc $\beta$ -sp4-PAA-fluo		0.4
GNZ-0033-FP	Gala1-4Gal $\beta$ -sp3-PAA-fluo		0.4
GNZ-0034-FP	3-O-Su-Gal $\beta$ -sp3-PAA-fluo	$\beta$ -D-galactose-3-O-sulfate	0.4
GNZ-0035-FP	Neu5Aca-sp3-PAA-fluo	$\alpha$ -N-acetylneuraminic acid	0.4
GNZ-0035a-FP	Neu5Aca-sp9-PAA-fluo	$\alpha$ -N-acetylneuraminic acid	0.4
GNZ-0036-FP	Neu5Aca2-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-fluo	3`SLN	0.2
GNZ-0037-FP	Gala1-4Gal $\beta$ 1-4Glc $\beta$ -sp2-PAA-fluo	P <sup>k</sup> , Gb3, GbOse3	0.2
GNZ-0038-FP	Gala1-3GalNAc $\beta$ -sp3-PAA-fluo	T <sub>0B</sub>	0.4
GNZ-0039-FP	Gal $\beta$ 1-3Gal $\beta$ -sp3-PAA-fluo		0.4
GNZ-0040-FP	Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-PAA-fluo	Le <sup>a</sup>	0.4
GNZ-0041-FP	Fuca1-2Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-PAA-fluo	Le <sup>b</sup>	0.4
GNZ-0042-FP	Fuca1-2Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA-fluo	Le <sup>d</sup> , H (type 1)	0.4
GNZ-0043-FP	Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA-fluo	Le <sup>e</sup>	0.4
GNZ-0044-FP	Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA-fluo	Le <sup>x</sup>	0.4
GNZ-0045-FP	Fuca1-2Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA-fluo	Le <sup>y</sup>	0.4
GNZ-0046a-FP	Gal $\beta$ 1-4Glc $\beta$ -sp2-PAA-fluo	Lac	0.4
GNZ-0047-FP	Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-fluo	N-acetyllactosamine	0.4
GNZ-0047d-FP	Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-PAA-fluo	N-acetyllactosamine	0.4
GNZ-0048-FP	Gal $\beta$ 1-3GalNAca-sp3-PAA-fluo	TF, core 1	0.4
GNZ-0049-FP	Fuca1-3GlcNAc $\beta$ -sp3-PAA-fluo		0.4
GNZ-0050-FP	Fuca1-4GlcNAc $\beta$ -sp3-PAA-fluo	Le	0.4
GNZ-0051-FP	GalNAca1-3GalNAc $\beta$ -sp3-PAA-fluo	Fs	0.4
GNZ-0052-FP	GalNAca1-3GalNAca-sp3-PAA-fluo	core 5	0.4
GNZ-0053-FP	Gala1-3GalNAca-sp3-PAA-fluo	T <sub>00r</sub> , core 8	0.4
GNZ-0054-FP	Neu5Aca2-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA-fluo	SiaLe <sup>c</sup>	0.2
GNZ-0055-FP	Gala1-2Gal $\beta$ -sp3-PAA-fluo		0.4
GNZ-0056-FP	Gal $\beta$ 1-3GalNAc $\beta$ -sp3-PAA-fluo	T <sub>0B</sub>	0.4
GNZ-0057-FP	GlcNAc $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-fluo	chitobiose	0.4
GNZ-0057a-FP	GlcNAc $\beta$ 1-4GlcNAc $\beta$ -sp4-PAA-fluo	chitobiose	0.4
GNZ-0058-FP	Neu5Aca2-6GalNAca-sp3-PAA-fluo	SiaT <sub>n</sub>	0.2
GNZ-0059-FP	Fuca1-2Gal $\beta$ 1-3GalNAca-sp3-PAA-fluo	H (type 3)	0.4
GNZ-0060-FP	Neu5Aca2-3Gal $\beta$ 1-4Glc $\beta$ -sp4-PAA-fluo	3`SL	0.2
GNZ-0061-FP	Neu5Ac&aptha;2-3Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3	SiaLe <sup>a</sup>	0.2
GNZ-0062-FP	Neu5Aca2-3Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA-fluo	SiaLe <sup>x</sup>	0.2
GNZ-0063a-FP	Neu5Aca2-6Gal $\beta$ 1-4Glc $\beta$ -sp2-PAA-fluo	6`SL	0.2
GNZ-0064-FP	6-O-Su-GlcNAc $\beta$ -sp3-PAA-fluo	$\beta$ -D-GlcNAc-6-O-sulfate	0.4
GNZ-0065-FP	3-O-Su-Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-PAA-fluo	suLe <sup>a</sup>	0.2
GNZ-0066-FP	3-O-Su-Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA-fluo	suLe <sup>x</sup>	0.2
GNZ-0067a-FP	3-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-PAA-fluo		0.4
GNZ-0068-FP	3-O-Su-Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA-fluo	Lec-3`-O-sulphate	0.4
GNZ-0070-FP	Gala1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA-fluo	Galili	0.4
GNZ-0071-FP	GlcNAc $\beta$ 1-4GalNAca-sp3-PAA-fluo		0.4
GNZ-0073-FP	Neu5Aca2-8Neu5Aca2-8Neu5Aca-sp3-PAA-fluo	(Sia) <sub>3</sub>	0.4
GNZ-0075-FP	GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GalNAca-sp3-PAA-fluo	GlcNAc $\beta$ 1-3`TF	0.4
GNZ-0076-FP	Gal $\beta$ 1-2Gal $\beta$ -sp3-PAA-fluo		0.4
GNZ-0077a-FP	Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp2-PAA-fluo		0.4
GNZ-0078-FP	GlcNAc $\beta$ 1-6(Gal $\beta$ 1-3)GalNAca-sp3-PAA-fluo	core 2	0.4

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Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0079-FP	Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-sp3-PAA-fluo	(LN) <sub>3</sub>	0.4
GNZ-0080-FP	Fuca1-2Galβ1-3GalNAcβ-sp3-PAA-fluo	H (type 4)	0.4
GNZ-0082-FP	Galβ1-4GlcNAcβ1-3Galβ1-4Glcβ-sp4-PAA-fluo	LNnT	0.4
GNZ-0083-FP	Neu5Aca2-3Galβ-sp3-PAA-fluo	GM4	0.4
GNZ-0084-FP	Neu5Aca2-6Galβ-sp3-PAA-fluo		0.2
GNZ-0085-FP	GalNAca1-3(Fuca1-2)Galβ-sp3-PAA-fluo	A <sub>tri</sub>	0.4
GNZ-0085a-FP	GalNAca1-3(Fuc&alpha;1-2)Galβ-sp5-PAA-fluo	A <sub>tri</sub>	0.4
GNZ-0086-FP	Galα1-3(Fuca1-2)Galβ-sp3-PAA-fluo	B <sub>tri</sub>	0.4
GNZ-0086a-FP	Galα1-3(Fuca1-2)Galβ-sp5-PAA-fluo	B <sub>tri</sub>	0.4
GNZ-0087-FP	GalNAca1-3Galβ-sp3-PAA-fluo	A <sub>di</sub>	0.4
GNZ-0088-FP	Galα1-3Galβ-sp3-PAA-fluo	B <sub>di</sub>	0.4
GNZ-0089-FP	Fuca1-2Galβ1-4GlcNAcβ-sp3-PAA-fluo	H (type 2)	0.4
GNZ-0090a-FP	6-O-Su-Galβ1-4GlcNAcβ-sp2-PAA-fluo	LacNAc-6-O-sulfate	0.4
GNZ-0091-FP	Fuca1-2Galβ-sp3-PAA-fluo	H <sub>di</sub>	0.4
GNZ-0092-FP	3-O-Su-Galβ1-3GalNAca-sp3-PAA-fluo	TF-3`-O-sulphate	0.4
GNZ-0093a-FP	GalNAcβ1-4(6-O-Su)GlcNAcβ-sp3-PAA-fluo		0.4
GNZ-0095-FP	GalNAcβ1-3GalNAcβ-sp3-PAA-fluo	para-Fs	0.4
GNZ-0096-FP	Neu5Aca2-3Galβ1-3GalNAca-sp3-PAA-fluo	3` SiaTF	0.4
GNZ-0097-FP	GlcNAcβ1-3GalNAca-sp3-PAA-fluo	core 3	0.4
GNZ-0098-FP	GlcNAcβ1-6GalNAca-sp3-PAA-fluo	core 6	0.4
GNZ-0099-FP	GlcNAcβ1-3(GlcNAcβ1-6)GalNAca-sp3-PAA-fluo	core 4	0.4
GNZ-0600-FP	Glcβ1-3GlcNAcβ-sp3-PAA-fluo		0.4
GNZ-0602-FP	Glcβ1-3GalNAcβ-sp3-PAA-fluo		0.4
GNZ-0605-FP	GlcNAcβ1-2Galβ-sp3-PAA-fluo		0.4
GNZ-0607-FP	Fucβ1-2Galβ1-3GlcNAcβ-sp3-PAA-fluo		0.4
GNZ-0608-FP	GlcNAcβ1-4Galβ-sp3-PAA-fluo	GlcNAcβ4Galβ	0.4
GNZ-0609-FP	L-Glcβ-sp4-PAA-fluo		0.4
GNZ-0709-FP	Neu5Gca2-3Galβ-sp3-PAA-fluo	Neu5Gca3Gal	0.2
GNZ-0721-FP	GalNAca1-3(Fuca1-2)Galβ1-3GalNAcβ-sp3-PAA-fluo	A (type 4)	0.4
GNZ-0724-FP	GlcNAca1-3GalNAcβ-sp3-PAA-fluo		0.4
GNZ-0726-FP	L-Rhaβ-sp4-PAA-fluo	β-L-rhamnose	0.4
GNZ-0728-FP	GlcNAca-sp3-PAA-fluo	α-D-N-acetylglucosamine	0.4
GNZ-0730-FP	Neu5Gca2-3Galβ1-3(6-O-Su)GlcNAcβ-sp3-PAA-fluo		0.4
GNZ-0731-FP	Neu5Gca2-3Galβ1-4(6-O-Su)GlcNAcβ-sp3-PAA-fluo		0.4
GNZ-0736-FP	Xylβ-sp4-PAA-fluo	β-D-xylopyranose	0.4
GNZ-0738-FP	L-Araα-sp4-PAA-fluo	α-L-arabinose	0.4
GNZ-0740-FP	Fucβ1-2Galβ1-4GlcNAcβ-sp3-PAA-fluo		0.4
GNZ-0744-FP	Ribβ-sp4-PAA-fluo	β-D-ribose	0.4
GNZ-0745-FP	Fucβ1-2Galβ1-4(Fuca1-3)GlcNAcβ-sp3-PAA-fluo		0.4
GNZ-0747-FP	GalNAca1-3Galβ1-4GlcNAcβ-sp3-PAA-fluo	GalNAca3`LN	0.4
GNZ-0748-FP	GalNAcβ1-3Galβ1-4GlcNAcβ-sp3-PAA-fluo	GalNAcβ3`LN	0.4
GNZ-0755-FP	GalNAca1-3Galβ1-4(Fuca1-3)GlcNAcβ-sp3-PAA-fluo		0.4
GNZ-0757-FP	Neu5Aca2-6(Fuca1-2)Galβ1-4GlcNAcβ-sp3-PAA-fluo	Sia6`H(type 2)	0.2
GNZ-0762-FP	6-O-Su-Galβ-sp3-PAA-fluo	β-D-galactose-6-O-sulfate	0.4
GNZ-0763-FP	Neu5Aca2-3(6-O-Su)Galβ1-4(6-O-Su)GlcNAcβ-sp3-PAA-fluo	3`SLN-6,6`-di-O-sulfate	0.2
GNZ-0769-FP	3-O-Su-GalNAca-sp3-PAA-fluo	T <sub>n</sub> -3-O-sulfate	0.4
GNZ-0770-FP	GalNGcβ-sp3-PAA-fluo	β-D-N-glycolylgalactosamine	0.4
GNZ-0773-FP	Galβ1-3GalNGca-sp3-PAA-fluo		0.4
GNZ-0778-FP	4-O-Su-GalNAca-sp3-PAA-fluo	T <sub>n</sub> -4-O-sulfate	0.4
GNZ-0785-FP	Neu5Aca2-3(6-O-Su)Galβ1-3GalNAca-sp3-PAA-fluo	3`SiaTF-6`-O-sulfate	0.2
GNZ-0786-FP	Galβ1-3GlcNAcβ1-3GalNAca-sp3-PAA-fluo	Le <sup>e</sup> 3T <sub>n</sub>	0.4

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Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0789-FP	Galβ1-3(6-O-Su)GalNAca-sp3-PAA-fluo	TF-6-O-sulfate	0.4
GNZ-0799-FP	Fucβ-sp4-PAA-fluo	β-L-fucose	0.4
GNZ-0800-FP	GalNAca1-4Galβ-sp3-PAA-fluo	GalNAca1-4Galβ	0.4
GNZ-0805-FP	GalNAcβ1-3(Fuca1-2)Galβ1-4GlcNAcβ-sp3-PAA-fluo		0.4
GNZ-0808-FP	GlcNAcβ1-4(GlcNAcβ1-6)GalNAca-sp3-PAA-fluo		0.4
GNZ-0809-FP	(GlcNAcβ1) <sub>3</sub> -3,4,6GalNAca-sp3-PAA-fluo		0.4
GNZ-0810-FP	GalNAcβ1-3(Fuca1-2)Galβ-sp3-PAA-fluo		0.4
GNZ-0813-FP	Galβ1-3GlcNAcβ1-3Galβ1-4GlcNAcβ-sp3-PAA-fluo	Le <sup>c</sup> 3`LacNAc	0.4
GNZ-0814-FP	Galβ1-3GlcNAca1-3Galβ1-4GlcNAcβ-sp3-PAA-fluo	Le <sup>a</sup> 3`LacNAc	0.4
GNZ-0815-FP	Galβ1-3GlcNAcβ1-3Galβ1-3GlcNAcβ-sp2-PAA-fluo	Le <sup>c</sup> 3`Lec	0.4
GNZ-0815a-FP	Galβ1-3GlcNAcβ1-3Galβ1-3GlcNAcβ-sp3-PAA-fluo	Le <sup>c</sup> 3`Lec	0.4
GNZ-0816-FP	GalNAca1-3(Fuca1-2)Galβ1-3GlcNAcβ-sp3-PAA-fluo	A (type 1)	0.4
GNZ-0821-FP	6-O-Su-Galβ1-3GalNAca-sp3-PAA-fluo		0.4
GNZ-0822-FP	Galβ1-3(6-O-Su)GlcNAcβ-sp2-PAA-fluo	Le <sup>c</sup> -6-O-sulphate	0.4
GNZ-0822a-FP	Galβ1-3(6-O-Su)GlcNAcβ-sp3-PAA-fluo		0.4
GNZ-0823-FP	Neu5Aca2-3Galβ1-4(2-O-Su-Fuca1-3)(6-O-Su)GlcNAcβ-sp3-PAA-fluo	SLe <sup>x</sup> -6(GlcNAc)-2(Fuc)-di-sulfate	0.2
GNZ-0828-FP	Fuca1-2(3-O-Su)Galβ-sp3-PAA-fluo	H <sub>di</sub> -3-O-sulphate	0.4
GNZ-0835a-FP	Neu5Aca2-3(GalNAcβ1-4)Galβ1-4Glcβ-sp4-PAA-fluo	GM2	0.2
GNZ-0837-FP	4-O-Su-Galβ-sp3-PAA-fluo	β-D-galactose-4-O-sulfate	0.4
GNZ-0840-FP	6-O-Su-Galβ1-3GlcNAcβ-sp2-PAA-fluo	Le <sup>c</sup> -6`-O-sulphate	0.4
GNZ-0842-FP	Galβ1-3GlcNAcβ1-6Galβ1-4GlcNAcβ-sp2-PAA-fluo	Le <sup>c</sup> 6`LacNAc	0.4
GNZ-0847-FP	Galα1-3(Fuca1-2)Galβ1-3GlcNAcβ-sp3-PAA-fluo	B (type 1)	0.4
GNZ-0848-FP	Galα1-3(Fuca1-2)Galβ1-3GalNAca-sp3	B (type 3)	0.4
GNZ-0849-FP	Galα1-3(Fuca1-2)Galβ1-3GalNAcβ-sp3	B (type 4)	0.4
GNZ-0852-FP	Galα1-3GlcNAcβ-sp3		0.4
GNZ-0854d-FP	(GlcAβ1-3GlcNAcβ1-4) <sub>13</sub> -sp6	hyaluronic acid	0.4
GNZ-0855-FP	GlcNAcβ1-4(6-O-Su)GlcNAβ-sp3	6-O-Su-chitobiose	0.4
GNZ-0857-FP	Galα1-3Galβ1-4GlcNAcβ1-3Galβ-sp3	Galili(tetra)	0.4
GNZ-0859-FP	3-O-Su-Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-sp3	(3`SuLN)3LN	0.4
GNZ-0860-FP	GalNAca1-3(Fuca1-2)Galβ1-3GalNAca-sp3	A (type 3)	0.4
GNZ-0864-FP	GlcNAca1-3Galβ1-4GlcNAcβ-sp3	GlcNAca3`LacNAc	0.4
GNZ-0864a-FP	GlcNAca1-3Galβ1-4GlcNAcβ-sp2		0.4
GNZ-0865a-FP	Galβ1-3Galβ1-4GlcNAcβ-sp3	Galβ3`LacNAc	0.4
GNZ-0866-FP	Galβ1-4GlcNAcβ1-3(GlcNAcβ1-6)Galβ1-4GlcNAcβ-sp2		0.4
GNZ-0867-FP	Galβ1-4GlcNAcβ1-3(Galβ1-4GlcNAcβ1-6)Galβ1-4GlcNAcβ-sp2		0.4
GNZ-0870-FP	Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-sp2	LacNAc3`LacNAc	0.4
GNZ-0870a-FP	Galβ1-4GlcNAcβ1-3Galβ1-4GlcNAcβ-sp3		0.4
GNZ-0871-FP	Galβ1-4GlcNAcβ1-6Galβ1-4GlcNAcβ-sp2	LacNAc6`LacNAc	0.4
GNZ-0872-FP	Neu5Gcβ2-6Galβ1-4GlcNAcβ-sp3	6`Sia(Gc)βLacNac	0.2
GNZ-0874-FP	Galβ1-4(Fucβ1-3)GlcNAcβ-sp3		0.4
GNZ-0880-FP	3,6-O-Su <sub>2</sub> -Galβ1-4(6-O-Su)GlcNAcβ-sp2	LacNAc-3`,6,6`-tri-O-sulphate	0.4
GNZ-0881-FP	3-O-Su-Galβ1-4(6-O-Su)GlcNAcβ-sp3	LacNAc-3`,6-di-O-sulphate	0.4
GNZ-0882-FP	3,4-O-Su <sub>2</sub> -Galβ1-4GlcNAcβ-sp3	LacNAc-3`,4`-di-O-sulphate	0.4
GNZ-0883-FP	6-O-Su-Galβ1-4(6-O-Su)GlcNAcβ-sp2	LacNAc-6,6`-di-O-sulphate	0.4
GNZ-0884-FP	Mana1-3(Mana1-6)Mana1-6(Mana1-3)Manβ-sp4		0.4
GNZ-0885-FP	6-H <sub>2</sub> PO <sub>3</sub> -Glcβ-sp4	β-D-glycose-6-O-phosphate	0.4
GNZ-0886-FP	3,6-O-Su <sub>2</sub> -Galβ1-4GlcNAcβ-sp2		0.4
GNZ-0887a-FP	GlcNAcβ1-4Galβ1-4GlcNAcβ-sp3	GlcNAc4`LacNAc	0.4
GNZ-0901-FP	6-O-Su-Galβ1-4(6-O-Su)Glcβ-sp2	Lac-6,6`-di-O-sulphate	0.4
GNZ-0902-FP	Glcβ1-6Glcβ-sp4	Gentiobiose	0.4



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Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0907-FP	Neu5Ac $\beta$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6`Sia $\beta$ LacNAc	0.2
GNZ-0908-FP	Neu5Ac $\alpha$ 2-6Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3	6`SLN-6-O-sulphate	0.2
GNZ-0909a-FP	4-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		0.4
GNZ-0918a-FP	4,6-O-Su <sub>2</sub> -Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LacNAc-4`,6`-di-O-sulphate	0.4
GNZ-0921-FP	4-O-Su-GlcNAc $\beta$ -sp2	$\beta$ -D-GlcNAc-4-O-sulfate	0.4
GNZ-0922-FP	GalNAc $\alpha$ 1-4GalNAc $\alpha$ -sp3		0.4
GNZ-0925-FP	Neu5Ac $\alpha$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3		0.4
GNZ-0931-FP	Glc $\alpha$ 1-4Glc $\alpha$ 1-4Glc $\alpha$ 1-4Glc $\beta$ -sp4	maltotetraose	0.4
GNZ-0932-FP	Glc $\alpha$ 1-4Glc $\alpha$ 1-4Glc $\beta$ -sp4	maltotriose	0.4
GNZ-0934-FP	6-O-Su-GalNAc $\beta$ 1-4(3-O-Ac)GlcNAc $\beta$ -sp3	3-O-Ac-LacdiNAc-6`-sulphate	0.4
GNZ-0935-FP	4,6-O-Su <sub>2</sub> -GalNAc $\beta$ 1-4GlcNAc $\beta$ -sp3	LacdiNAc-4`,6`-di-O-sulphate	0.4
GNZ-0936-FP	4-O-Su-GalNAc $\beta$ 1-4GlcNAc $\beta$ -sp3		0.4
GNZ-0937-FP	6-O-Su-GalNAc $\beta$ 1-4GlcNAc $\beta$ -sp3	6`-O-su-LacdiNAc	0.4
GNZ-0941-FP	3-O-Su-GlcNAc $\beta$ -sp3	$\beta$ -D-GlcNAc-3-O-sulfate	0.4
GNZ-0946-FP	Man $\alpha$ 1-4Man $\beta$ -sp4		0.4
GNZ-0949-FP	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3(6-O-Su)GlcNAc $\beta$ -sp3	3`SiaLe <sup>c</sup> -6-O-sulphate	0.2
GNZ-0951-FP	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3	3`SLN-6-O-sulphate	0.2
GNZ-0952-FP	3-O-Su-GalNAc $\beta$ -sp3	$\beta$ -D-GalNAc-3-O-sulfate	0.4
GNZ-0953-FP	4-O-Su-GalNAc $\beta$ -sp3	$\beta$ -D-GalNAc-4-O-sulfate	0.4
GNZ-0955-FP	Gal $\beta$ 1-4(Gal $\beta$ 1-3)GlcNAc $\beta$ -sp3		0.4
GNZ-0956-FP	Neu5Gc $\alpha$ 2-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	3`Sia(Gc)LacNAc	0.2
GNZ-0957-FP	Neu5Gc $\alpha$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6`Sia(Gc)LacNAc	0.2
GNZ-0958-FP	GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	GlcNAc $\beta$ 3`LacNAc	0.4
GNZ-0958a-FP	GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	GlcNAc $\beta$ 3`LacNAc	0.4
GNZ-0959-FP	Glc $\alpha$ 1-6Glc $\alpha$ 1-6Glc $\beta$ -sp4	Isomaltotriose	0.4
GNZ-0966-FP	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3	BLE <sup>b</sup>	0.4
GNZ-0967-FP	GalNAc $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3	ALe <sup>v</sup>	0.4
GNZ-0968-FP	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3	BLE <sup>v</sup>	0.2
GNZ-0972-FP	GlcNAc $\beta$ 1-4[3-O-CH(CH <sub>3</sub> )COOH]GlcNAc $\beta$ -sp4	GlcNAc-Mur	0.4
GNZ-0973-FP	GlcNAc $\beta$ 1-4[3-O-CH(CH <sub>3</sub> )COOH]GlcNAc $\alpha$ -sp4		0.4
GNZ-0976-FP	GlcA $\beta$ 1-3Gal $\beta$ -sp3	GlcA3Gal	0.4
GNZ-0977-FP	Neu5Ac $\alpha$ 2-6(Gal $\alpha$ 1-3)GalNAc $\alpha$ -sp3	6SiaT <sub>aa</sub>	0.2
GNZ-0978-FP	GlcA $\beta$ 1-6Gal $\beta$ -sp3	GlcA $\beta$ 6Gal	0.4
GNZ-0980-FP	Gal $\beta$ 1-4GlcNAc $\beta$ 1-6(Gal $\beta$ 1-3)GalNAc $\alpha$ -sp3	LacNAc6TF	0.2
GNZ-0982-FP	GlcNAc $\beta$ 1-4GlcNA $\beta$ 1-4GlcNAc $\beta$ -sp4	chitotriose	0.4
GNZ-0984-FP	Neu5Ac $\alpha$ 2-6(Gal $\beta$ 1-3)GalNAc $\alpha$ -sp3	6SiaTF	0.2
GNZ-0985-FP	Neu5Ac $\beta$ 2-6(Gal $\beta$ 1-3)GalNAc $\alpha$ -sp3	6Sia $\beta$ TF	0.2
GNZ-0986-FP	Neu5Ac $\beta$ 2-6GalNAc $\alpha$ -sp3	Sia $\beta$ T <sub>n</sub>	0.2
GNZ-0991-FP	Gal $\alpha$ 1-4GalNAc $\alpha$ -sp3		0.4
GNZ-0993-FP	Neu5Ac $\alpha$ 2-3GalNAc $\alpha$ -sp3	3-SiaT <sub>n</sub>	0.2
GNZ-0995-FP	Gal $\beta$ 1-4GlcNA $\beta$ 1-3GalNAc $\alpha$ -sp3	LacNAc3T <sub>n</sub>	0.4
GNZ-0996-FP	Gal $\beta$ 1-4GlcNA $\beta$ 1-6GalNAc $\alpha$ -sp3	LacNAc6T <sub>n</sub>	0.4
GNZ-0997-FP	Neu5Ac $\alpha$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6`SLN	0.4
GNZ-0998-FP	6-O-Su-GalNAc $\alpha$ -sp3	$\alpha$ -D-GalNAc-6-O-sulfate	0.4

# PA-Series: Unlabeled Polyacrylamide Conjugates

This series consists of HOCH<sub>2</sub>CH<sub>2</sub>NH<sub>3</sub><sup>+</sup>-salts for carboxylates and sulfates. PAA is poly[N-(2-hydroxyethyl)acrylamide], a flexible polymer chain which serves as an additional spacer. The spacer-arm for oligosaccharides is normally -(CH<sub>2</sub>)<sub>3</sub>-.

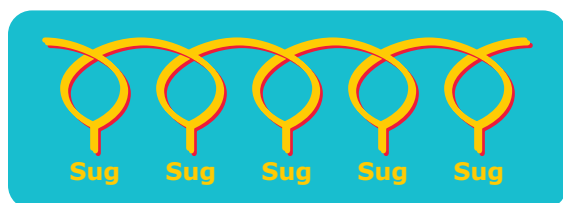
**Molecular mass:** approx. 30 kDa

**Content:** carbohydrate 20% mol.

**Purity:** synthetic ω-aminoalkyl glycosides used for coupling with the polymer have a purity of >95% (HPLC and 1H-NMR)

## Applications:

- Coating reagent for ELISA and other assays
- Polyvalent inhibitor



Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0000-PA	HOCH <sub>2</sub> (HOCH) <sub>4</sub> CH <sub>2</sub> NH <sub>2</sub> -PAA	aminoglucitol	1
GNZ-0001-PA	GalNAcβ1-4GlcNAcβ-sp3-PAA	LacdiNAc	1
GNZ-0004-PA	GlcNAcβ1-3(GlcNAcβ1-6)Galβ1-4GlcNAcβ-sp2-PAA	Tk	1
GNZ-0006-PA	GalNAca1-3(Fuca1-2)Galβ1-4GlcNAcβ-sp3-PAA	A (type 2)	1
GNZ-0007-PA	Galα1-3(Fuca1-2)Galβ1-4GlcNAcβ-sp3-PAA	B (type 2)	1
GNZ-0008-PA	Galα1-4Galβ1-4GlcNAcβ-sp3-PAA	P <sub>1</sub>	1
GNZ-0009-PA	Galα1-3Galβ1-4(Fuca1-3)GlcNAcβ-sp3-PAA		1
GNZ-0011-PA	GlcNAcβ1-2Galβ1-3GalNAca-sp3-PAA	GlcNAcβ1-2`TF	1
GNZ-0012-PA	GlcAβ-sp3-PAA	β-glucuronate	1
GNZ-0013-PA	Glcβ1-4GalNAca-sp3-PAA		1
GNZ-0014-PA	Manβ-sp4-PAA	β-D-mannose	1
GNZ-0015-PA	Galα1-4GlcNAcβ-sp3-PAA	αLN	1
GNZ-0015a-PA	Galα1-4GlcNAcβ-sp8-PAA	αLN	1
GNZ-0016-PA	Neu5Acβ-sp9-PAA	β-N-acetylneuraminic acid	1
GNZ-0017-PA	Neu5Aca2-3(6-O-Su-)Galβ1-4(Fuca1-3)GlcNAcβ-sp3-PAA	SiaLe <sup>x</sup> -6 <sup>(Gal)</sup> -O-sulfate	0.5
GNZ-0018-PA	Neu5Gca-sp3-PAA	α-N-glycolylneuraminic acid	1
GNZ-0019-PA	Glcα1-4Glcβ-sp3-PAA	maltose	1
GNZ-0020-PA	Neu5Aca2-3Galβ1-4(Fuca1-3)(6-O-Su-)GlcNAcβ-sp3-PAA	SiaLe <sup>x</sup> -6 <sup>(GlcNAc)</sup> -O-sulfate	0.5
GNZ-0021-PA	Glcα-sp3-PAA	α-D-glucose	1
GNZ-0022-PA	Glcβ-sp3-PAA	β-D-glucose	1
GNZ-0022b-PA	Glcβ-sp4-PAA		1
GNZ-0023-PA	Galα-sp3-PAA	α-D-galactose	1
GNZ-0024-PA	Galβ-sp3-PAA	β-D-galactose	1
GNZ-0024a-PA	Galβ-sp4-PAA		1
GNZ-0025a-PA	Manα-sp3-PAA	α-mannose	1
GNZ-0026-PA	6-H <sub>2</sub> PO <sub>3</sub> -Mana-sp3-PAA	α-D-mannose-6-phosphate	1
GNZ-0027-PA	L-Fuca-sp3-PAA	α-L-fucose	1
GNZ-0028-PA	L-Rhaα-sp3-PAA	α-L-rhamnose	1
GNZ-0029-PA	GlcNAcβ-sp3-PAA	β-D-N-acetylglucosamine	1
GNZ-0029a-PA	GlcNAcβ-sp2-PAA		1

## PA-Series: Unlabeled Polyacrylamide Conjugates

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0029d-PA	GlcNAc $\beta$ -sp4-PAA		1
GNZ-0033-PA	Gal $\alpha$ 1-4Gal $\beta$ -sp3-PAA		1
GNZ-0034-PA	3-O-Su-Gal $\beta$ -sp3-PAA	$\beta$ -D-galactose-3-O-sulfate	1
GNZ-0035-PA	Neu5Aca-sp3-PAA	$\alpha$ -N-acetylneuraminic acid	1
GNZ-0035a-PA	Neu5Aca-sp9-PAA	$\alpha$ -N-acetylneuraminic acid	1
GNZ-0036-PA	Neu5Aca2-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA	3`SLN	0.5
GNZ-0037-PA	Gal $\alpha$ 1-4Gal $\beta$ 1-4Glc $\beta$ -sp2-PAA	P <sup>k</sup> , Gb3, GbOse3	1
GNZ-0038-PA	Gal $\alpha$ 1-3GalNAc $\beta$ -sp3-PAA	T <sub>0<math>\beta</math></sub>	1
GNZ-0039-PA	Gal $\beta$ 1-3Gal $\beta$ -sp3-PAA		1
GNZ-0040-PA	Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-PAA	Le <sup>a</sup>	1
GNZ-0041-PA	Fuca1-2Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-PAA	Le <sup>b</sup>	1
GNZ-0042-PA	Fuca1-2Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA	Le <sup>d</sup> , H (type 1)	1
GNZ-0043-PA	Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA	Le <sup>c</sup>	1
GNZ-0044-PA	Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA	Le <sup>x</sup>	1
GNZ-0045-PA	Fuca1-2Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA	Le <sup>y</sup>	1
GNZ-0046a-PA	Gal $\beta$ 1-4Glc $\beta$ -sp2-PAA	Lac	1
GNZ-0047-PA	Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA	N-acetyllactosamine	1
GNZ-0047d-PA	Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-PAA	N-acetyllactosamine	1
GNZ-0048-PA	Gal $\beta$ 1-3GalNAca-sp3-PAA	TF, core 1	1
GNZ-0049-PA	Fuca1-3GlcNAc $\beta$ -sp3-PAA		1
GNZ-0050-PA	Fuca1-4GlcNAc $\beta$ -sp3-PAA	Le	1
GNZ-0051-PA	GalNAca1-3GalNAc $\beta$ -sp3-PAA	Fs	1
GNZ-0052-PA	GalNAca1-3GalNAca-sp3-PAA	core 5	1
GNZ-0053-PA	Gal $\alpha$ 1-3GalNAca-sp3-PAA	T <sub>00</sub> , core 8	1
GNZ-0054-PA	Neu5Aca2-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA	SiaLe <sup>c</sup>	0.5
GNZ-0055-PA	Gal $\alpha$ 1-2Gal $\beta$ -sp3-PAA		1
GNZ-0056-PA	Gal $\beta$ 1-3GalNAc $\beta$ -sp3-PAA	T <sub>0<math>\beta</math></sub>	1
GNZ-0057-PA	GlcNAc $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA	chitobiose	1
GNZ-0057a-PA	GlcNAc $\beta$ 1-4GlcNAc $\beta$ -sp4-PAA	chitobiose	1
GNZ-0058-PA	Neu5Aca2-6GalNAca-sp3-PAA	SiaT <sub>n</sub>	0.5
GNZ-0059-PA	Fuca1-2Gal $\beta$ 1-3GalNAca-sp3-PAA	H (type 3)	1
GNZ-0060-PA	Neu5Aca2-3Gal $\beta$ 1-4Glc $\beta$ -sp4-PAA	3`SL	0.5
GNZ-0061-PA	Neu5Ac&alpha;2-3Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-PAA	SiaLe <sup>a</sup>	0.5
GNZ-0062-PA	Neu5Aca2-3Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA	SiaLe <sup>x</sup>	0.5
GNZ-0063a-PA	Neu5Aca2-6Gal $\beta$ 1-4Glc $\beta$ -sp2-PAA	6`SL	0.5
GNZ-0064-PA	6-O-Su-GlcNAc $\beta$ -sp3-PAA	$\beta$ -D-GlcNAc-6-O-sulfate	1
GNZ-0065-PA	3-O-Su-Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3-PAA	suLe <sup>a</sup>	0.5
GNZ-0066-PA	3-O-Su-Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA	suLe <sup>x</sup>	0.5
GNZ-0067a-PA	3-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-PAA		1
GNZ-0068-PA	3-O-Su-Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA	Lec-3`-O-sulphate	1
GNZ-0070-PA	Gal $\alpha$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA	Galili	1
GNZ-0071-PA	GlcNAc $\beta$ 1-4GalNAca-sp3-PAA		1
GNZ-0073-PA	Neu5Aca2-8Neu5Aca2-8Neu5Aca-sp3-PAA	(Sia) <sub>3</sub>	1
GNZ-0075-PA	GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GalNAca-sp3-PAA	GlcNAc $\beta$ 1-3`TF	1
GNZ-0076-PA	Gal $\beta$ 1-2Gal $\beta$ -sp3-PAA		1
GNZ-0077a-PA	Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp2-PAA		1
GNZ-0078-PA	GlcNAc $\beta$ 1-6(Gal $\beta$ 1-3)GalNAca-sp3-PAA	core 2	1
GNZ-0079-PA	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA	(LN) <sub>3</sub>	1
GNZ-0080-PA	Fuca1-2Gal $\beta$ 1-3GalNAc $\beta$ -sp3-PAA	H (type 4)	1
GNZ-0082-PA	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4Glc $\beta$ -sp4-PAA	LNnT	1
GNZ-0083-PA	Neu5Aca2-3Gal $\beta$ -sp3-PAA	GM4	1

## PA-Series: Unlabeled Polyacrylamide Conjugates

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0084-PA	Neu5Ac2-6Gal $\beta$ -sp3-PAA		0.5
GNZ-0085-PA	GalNAc1-3(Fuca1-2)Gal $\beta$ -sp3-PAA	A <sub>tri</sub>	1
GNZ-0085a-PA	GalNAc1-3(Fuc&alpha;1-2)Gal $\beta$ -sp5-PAA	A <sub>tri</sub>	1
GNZ-0086-PA	Gal1-3(Fuca1-2)Gal $\beta$ -sp3-PAA	B <sub>tri</sub>	1
GNZ-0086a-PA	Gal1-3(Fuca1-2)Gal $\beta$ -sp5-PAA	B <sub>tri</sub>	1
GNZ-0087-PA	GalNAc1-3Gal $\beta$ -sp3-PAA	A <sub>di</sub>	1
GNZ-0088-PA	Gal1-3Gal $\beta$ -sp3-PAA	B <sub>di</sub>	1
GNZ-0089-PA	Fuca1-2Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA	H (type 2)	1
GNZ-0090a-PA	6-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-PAA	LacNAc-6-O-sulfate	1
GNZ-0091-PA	Fuca1-2Gal $\beta$ -sp3-PAA	H <sub>di</sub>	1
GNZ-0092-PA	3-O-Su-Gal $\beta$ 1-3GalNAc-sp3-PAA	TF-3`-O-sulphate	1
GNZ-0093a-PA	GalNAc $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3-PAA		1
GNZ-0095-PA	GalNAc $\beta$ 1-3GalNAc $\beta$ -sp3-PAA	para-Fs	1
GNZ-0096-PA	Neu5Ac2-3Gal $\beta$ 1-3GalNAc-sp3-PAA	3`SiaTF	1
GNZ-0097-PA	GlcNAc $\beta$ 1-3GalNAc-sp3-PAA	core 3	1
GNZ-0098-PA	GlcNAc $\beta$ 1-6GalNAc-sp3-PAA	core 6	1
GNZ-0099-PA	GlcNAc $\beta$ 1-3(GlcNAc $\beta$ 1-6)GalNAc-sp3-PAA	core 4	1
GNZ-0600-PA	Glc $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA		1
GNZ-0602-PA	Glc $\beta$ 1-3GalNAc $\beta$ -sp3-PAA		1
GNZ-0605-PA	GlcNAc $\beta$ 1-2Gal $\beta$ -sp3-PAA		1
GNZ-0607-PA	Fuc $\beta$ 1-2Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA		1
GNZ-0608-PA	GlcNAc $\beta$ 1-4Gal $\beta$ -sp3-PAA	GlcNAc $\beta$ 4Gal $\beta$	1
GNZ-0609-PA	L-Glc $\beta$ -sp4-PAA		1
GNZ-0709-PA	Neu5Gca2-3Gal $\beta$ -sp3-PAA	Neu5Gca3Gal	0.5
GNZ-0721-PA	GalNAc1-3(Fuca1-2)Gal $\beta$ 1-3GalNAc $\beta$ -sp3-PAA	A (type 4)	1
GNZ-0724-PA	GlcNAc1-3GalNAc $\beta$ -sp3-PAA		1
GNZ-0726-PA	L-Rha $\beta$ -sp4-PAA	$\beta$ -L-rhamnose	1
GNZ-0728-PA	GlcNAc-sp3-PAA	$\alpha$ -D-N-acetylglucosamine	1
GNZ-0730-PA	Neu5Gca2-3Gal $\beta$ 1-3(6-O-Su)GlcNAc $\beta$ -sp3-PAA		1
GNZ-0731-PA	Neu5Gca2-3Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3-PAA		1
GNZ-0736-PA	Xyl $\beta$ -sp4-PAA	$\beta$ -D-xylopyranose	1
GNZ-0738-PA	L-Ara $\alpha$ -sp4-PAA	$\alpha$ -L-arabinose	1
GNZ-0740-PA	Fuc $\beta$ 1-2Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA		1
GNZ-0744-PA	Rib $\beta$ -sp4-PAA	$\beta$ -D-ribose	1
GNZ-0745-PA	Fuc $\beta$ 1-2Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA		1
GNZ-0747-PA	GalNAc1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA	GalNAc3`LN	1
GNZ-0748-PA	GalNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA	GalNAc $\beta$ 3`LN	1
GNZ-0755-PA	GalNAc1-3Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3-PAA		1
GNZ-0757-PA	Neu5Ac2-6(Fuca1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA	Sia6`H(type 2)	0.5
GNZ-0762-PA	6-O-Su-Gal $\beta$ -sp3-PAA	$\beta$ -D-galactose-6-O-sulfate	1
GNZ-0763-PA	Neu5Ac2-3(6-O-Su)Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3-PAA	3`SLN-6,6`-di-O-sulfate	0.5
GNZ-0769-PA	3-O-Su-GalNAc-sp3-PAA	T <sub>n</sub> -3-O-sulfate	1
GNZ-0770-PA	GalNGc $\beta$ -sp3-PAA	$\beta$ -D-N-glycolylgalactosamine	1
GNZ-0773-PA	Gal $\beta$ 1-3GalNGca-sp3-PAA		1
GNZ-0778-PA	4-O-Su-GalNAc-sp3-PAA	T <sub>n</sub> -4-O-sulfate	1
GNZ-0785-PA	Neu5Ac2-3(6-O-Su)Gal $\beta$ 1-3GalNAc-sp3-PAA	3`SiaTF-6`-O-sulfate	0.5
GNZ-0786-PA	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3GalNAc-sp3-PAA	Le <sup>e</sup> 3T <sub>n</sub>	1
GNZ-0789-PA	Gal $\beta$ 1-3(6-O-Su)GalNAc-sp3-PAA	TF-6-O-sulfate	1
GNZ-0799-PA	Fuc $\beta$ -sp4-PAA	$\beta$ -L-fucose	1
GNZ-0800-PA	GalNAc1-4Gal $\beta$ -sp3-PAA	GalNAc1-4Gal $\beta$	1
GNZ-0805-PA	GalNAc $\beta$ 1-3(Fuca1-2)Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA		1

## PA-Series: Unlabeled Polyacrylamide Conjugates

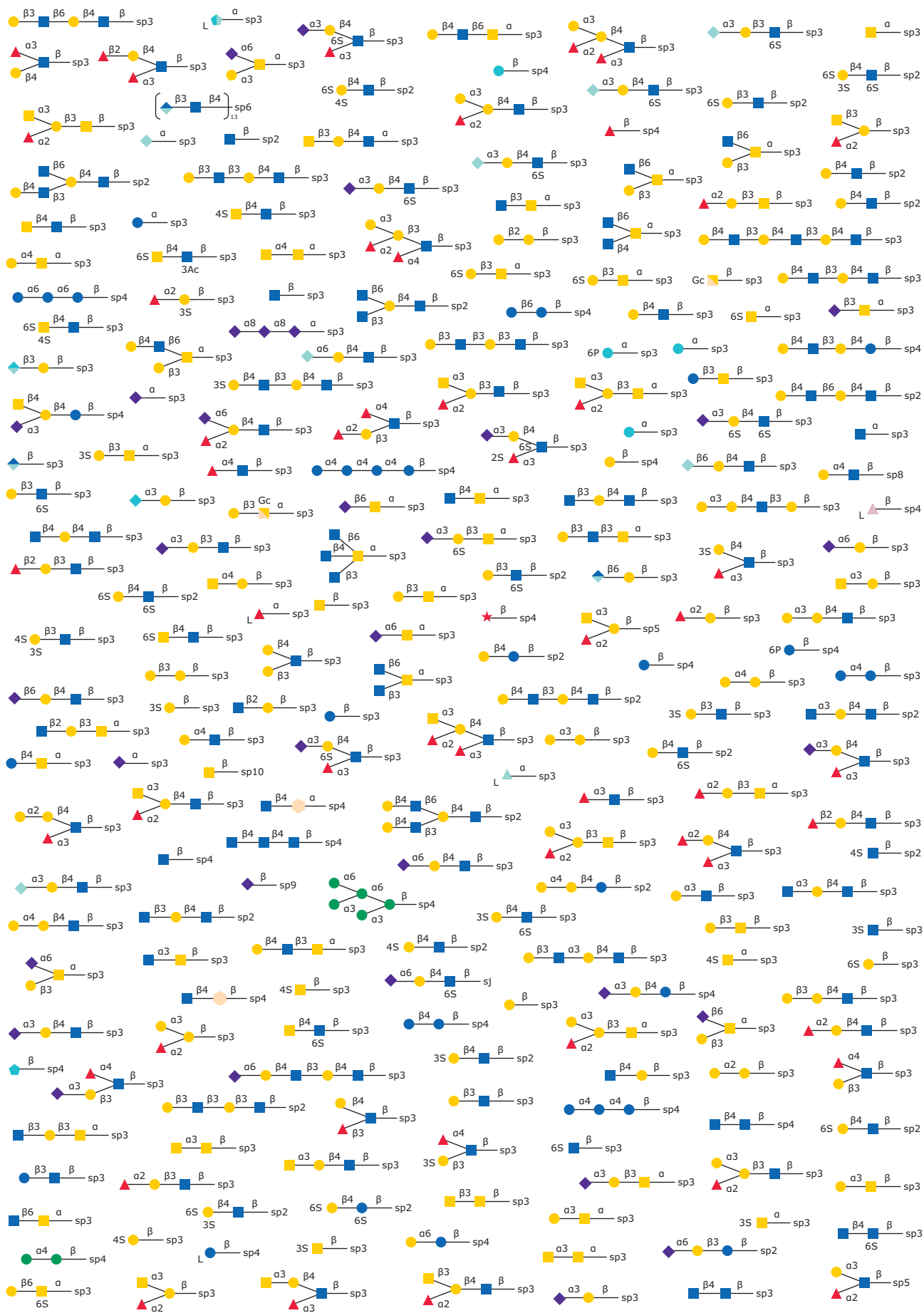
Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0808-PA	GlcNAc $\beta$ 1-4(GlcNAc $\beta$ 1-6)GalNAca-sp3-PAA		1
GNZ-0809-PA	(GlcNAc $\beta$ 1) <sub>3</sub> -3,4,6GalNAca-sp3-PAA		1
GNZ-0810-PA	GalNAc $\beta$ 1-3(Fuca1-2)Gal $\beta$ -sp3-PAA		1
GNZ-0813-PA	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA	Le <sup>c</sup> 3`LacNAc	1
GNZ-0814-PA	Gal $\beta$ 1-3GlcNAca1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3-PAA	Le <sub>a</sub> 3`LacNAc	1
GNZ-0815-PA	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp2-PAA	Le <sup>c</sup> 3`Le <sup>c</sup>	1
GNZ-0815a-PA	Gal $\beta$ 1-3GlcNAc $\beta$ 1-3Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA	Le <sup>c</sup> 3`Le <sup>c</sup>	1
GNZ-0816-PA	GalNAca1-3(Fuca1-2)Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA	A (type 1)	1
GNZ-0821-PA	6-O-Su-Gal $\beta$ 1-3GalNAca-sp3-PAA		1
GNZ-0822-PA	Gal $\beta$ 1-3(6-O-Su)GlcNAc $\beta$ -sp2-PAA	Le <sup>c</sup> -6-O-sulphate	1
GNZ-0822a-PA	Gal $\beta$ 1-3(6-O-Su)GlcNAc $\beta$ -sp3-PAA		1
GNZ-0823-PA	Neu5Aca2-3Gal $\beta$ 1-4(2-O-Su-Fuca1-3)(6-O-Su)GlcNAc $\beta$ -sp3-PAA	SLe <sup>x</sup> -6(GlcNAc)-2(Fuc)-di-sulfate	0.5
GNZ-0828-PA	Fuca1-2(3-O-Su)Gal $\beta$ -sp3-PAA	H <sub>di</sub> -3-O-sulphate	1
GNZ-0835a-PA	Neu5Aca2-3(GalNAc $\beta$ 1-4)Gal $\beta$ 1-4Glc $\beta$ -sp4-PAA	GM2	0.5
GNZ-0837-PA	4-O-Su-Gal $\beta$ -sp3-PAA	$\beta$ -D-galactose-4-O-sulfate	1
GNZ-0840-PA	6-O-Su-Gal $\beta$ 1-3GlcNAc $\beta$ -sp2-PAA	Le <sup>c</sup> -6`-O-sulphate	1
GNZ-0842-PA	Gal $\beta$ 1-3GlcNAc $\beta$ 1-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp2-PAA	Le <sup>c</sup> 6`LacNAc	1
GNZ-0847-PA	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GlcNAc $\beta$ -sp3-PAA	B (type 1)	1
GNZ-0848-PA	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GalNAca-sp3	B (type 3)	1
GNZ-0849-PA	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3GalNAc $\beta$ -sp3	B (type 4)	1
GNZ-0852-PA	Gal $\alpha$ 1-3GlcNAc $\beta$ -sp3		1
GNZ-0854d-PA	(GlcA $\beta$ 1-3GlcNAc $\beta$ 1-4)13-sp6	hyaluronic acid	1
GNZ-0855-PA	GlcNAc $\beta$ 1-4(6-O-Su)GlcNA $\beta$ -sp3	6-O-Su-chitobiose	1
GNZ-0857-PA	Gal $\alpha$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ -sp3	Galili(tetra)	1
GNZ-0859-PA	3-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	(3`SuLN)3LN	1
GNZ-0860-PA	GalNAca1-3(Fuca1-2)Gal $\beta$ 1-3GalNAca-sp3	A (type 3)	1
GNZ-0864-PA	GlcNAca1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	GlcNAca3`LacNAc	1
GNZ-0864a-PA	GlcNAca1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0865a-PA	Gal $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	Gal $\beta$ 3`LacNAc	1
GNZ-0866-PA	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3(GlcNAc $\beta$ 1-6)Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0867-PA	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3(Gal $\beta$ 1-4GlcNAc $\beta$ 1-6)Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0870-PA	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LacNAc3`LacNAc	1
GNZ-0870a-PA	Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3		1
GNZ-0871-PA	Gal $\beta$ 1-4GlcNAc $\beta$ 1-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LacNAc6`LacNAc	1
GNZ-0872-PA	Neu5Gc $\beta$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6`Sia(Gc) $\beta$ LacNAc	0.5
GNZ-0874-PA	Gal $\beta$ 1-4(Fuc $\beta$ 1-3)GlcNAc $\beta$ -sp3		1
GNZ-0880-PA	3,6-O-Su <sub>2</sub> -Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp2	LacNAc-3`,6,6`-tri-O-sulphate	1
GNZ-0881-PA	3-O-Su-Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3	LacNAc-3`,6-di-O-sulphate	1
GNZ-0882-PA	3,4-O-Su <sub>2</sub> -Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	LacNAc-3`,4`-di-O-sulphate	1
GNZ-0883-PA	6-O-Su-Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp2	LacNAc-6,6`-di-O-sulphate	1
GNZ-0884-PA	Man $\alpha$ 1-3(Man $\alpha$ 1-6)Man $\alpha$ 1-6(Man $\alpha$ 1-3)Man $\beta$ -sp4		1
GNZ-0885-PA	6-H <sub>2</sub> PO <sub>3</sub> -Glc $\beta$ -sp4	$\beta$ -D-glycose-6-O-phosphate	1
GNZ-0886-PA	3,6-O-Su <sub>2</sub> -Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0887a-PA	GlcNAc $\beta$ 1-4Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	GlcNAc4`LacNAc	1
GNZ-0901-PA	6-O-Su-Gal $\beta$ 1-4(6-O-Su)Glc $\beta$ -sp2	Lac-6,6`-di-O-sulphate	1
GNZ-0902-PA	Glc $\beta$ 1-6Glc $\beta$ -sp4	Gentiobiose	1
GNZ-0907-PA	Neu5Ac $\beta$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6`Sia $\beta$ LacNAc	0.5
GNZ-0908-PA	Neu5Aca2-6Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3	6`SLN-6-O-sulphate	0.5
GNZ-0909a-PA	4-O-Su-Gal $\beta$ 1-4GlcNAc $\beta$ -sp2		1
GNZ-0918a-PA	4,6-O-Su <sub>2</sub> -Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	LacNAc-4`,6`-di-O-sulphate	1
GNZ-0921-PA	4-O-Su-GlcNAc $\beta$ -sp2	$\beta$ -D-GlcNAc-4-O-sulfate	1

## PA-Series: Unlabeled Polyacrylamide Conjugates

Cat. No	Oligosaccharide	Trivial	Pack (mg)
GNZ-0922-PA	GalNAc $\alpha$ 1-4GalNAc-sp3		1
GNZ-0925-PA	Neu5Ac $\alpha$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3		1
GNZ-0931-PA	Glc $\alpha$ 1-4Glc $\alpha$ 1-4Glc $\alpha$ 1-4Glc $\beta$ -sp4	maltotetraose	1
GNZ-0932-PA	Glc $\alpha$ 1-4Glc $\alpha$ 1-4Glc $\beta$ -sp4	maltotriose	1
GNZ-0934-PA	6-O-Su-GalNAc $\beta$ 1-4(3-O-Ac)GlcNAc $\beta$ -sp3	3-O-Ac-LacdiNAc-6`-sulphate	1
GNZ-0935-PA	4,6-O-Su $_2$ -GalNAc $\beta$ 1-4GlcNAc $\beta$ -sp3	LacdiNAc-4`,6`-di-O-sulphate	1
GNZ-0936-PA	4-O-Su-GalNAc $\beta$ 1-4GlcNAc $\beta$ -sp3		1
GNZ-0937-PA	6-O-Su-GalNAc $\beta$ 1-4GlcNAc $\beta$ -sp3	6`-O-su-LacdiNAc	1
GNZ-0941-PA	3-O-Su-GlcNAc $\beta$ -sp3	$\beta$ -D-GlcNAc-3-O-sulfate	1
GNZ-0946-PA	Man $\alpha$ 1-4Man $\beta$ -sp4		1
GNZ-0949-PA	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-3(6-O-Su)GlcNAc $\beta$ -sp3	3`SiaLe <sup>c</sup> -6-O-sulphate	0.5
GNZ-0951-PA	Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4(6-O-Su)GlcNAc $\beta$ -sp3	3`SLN-6-O-sulphate	0.5
GNZ-0952-PA	3-O-Su-GalNAc $\beta$ -sp3	$\beta$ -D-GalNAc-3-O-sulfate	1
GNZ-0953-PA	4-O-Su-GalNAc $\beta$ -sp3	$\beta$ -D-GalNAc-4-O-sulfate	1
GNZ-0955-PA	Gal $\beta$ 1-4(Gal $\beta$ 1-3)GlcNAc $\beta$ -sp3		1
GNZ-0956-PA	Neu5Gc $\alpha$ 2-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	3`Sia(Gc)LacNAc	0.5
GNZ-0957-PA	Neu5Gc $\alpha$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6`Sia(Gc)LacNAc	0.5
GNZ-0958-PA	GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp2	GlcNAc $\beta$ 3`LacNAc	1
GNZ-0958a-PA	GlcNAc $\beta$ 1-3Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	GlcNAc $\beta$ 3`LacNAc	1
GNZ-0959-PA	Glc $\alpha$ 1-6Glc $\alpha$ 1-6Glc $\beta$ -sp4	Isomaltotriose	1
GNZ-0966-PA	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-3(Fuca1-4)GlcNAc $\beta$ -sp3	BLE <sup>b</sup>	1
GNZ-0967-PA	GalNAc $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3	ALe <sup>v</sup>	1
GNZ-0968-PA	Gal $\alpha$ 1-3(Fuca1-2)Gal $\beta$ 1-4(Fuca1-3)GlcNAc $\beta$ -sp3	BLE <sup>v</sup>	0.5
GNZ-0972-PA	GlcNAc $\beta$ 1-4[3-O-CH(CH <sub>3</sub> )COOH]GlcNAc $\beta$ -sp4	GlcNAc-Mur	1
GNZ-0973-PA	GlcNAc $\beta$ 1-4[3-O-CH(CH <sub>3</sub> )COOH]GlcNAc-sp4		1
GNZ-0976-PA	GlcA $\beta$ 1-3Gal $\beta$ -sp3	GlcA3Gal	1
GNZ-0977-PA	Neu5Ac $\alpha$ 2-6(Gal $\alpha$ 1-3)GalNAc-sp3	6SiaT <sub>oo</sub>	0.5
GNZ-0978-PA	GlcA $\beta$ 1-6Gal $\beta$ -sp3	GlcA $\beta$ 6Gal	1
GNZ-0980-PA	Gal $\beta$ 1-4GlcNAc $\beta$ 1-6(Gal $\beta$ 1-3)GalNAc-sp3	LacNAc6TF	0.5
GNZ-0982-PA	GlcNAc $\beta$ 1-4GlcNA $\beta$ 1-4GlcNAc $\beta$ -sp4	chitotriose	1
GNZ-0984-PA	Neu5Ac $\alpha$ 2-6(Gal $\beta$ 1-3)GalNAc-sp3	6SiaTF	0.5
GNZ-0985-PA	Neu5Ac $\beta$ 2-6(Gal $\beta$ 1-3)GalNAc-sp3	6Sia $\beta$ TF	0.5
GNZ-0986-PA	Neu5Ac $\beta$ 2-6GalNAc-sp3	Sia $\beta$ T <sub>n</sub>	0.5
GNZ-0991-PA	Gal $\alpha$ 1-4GalNAc-sp3		1
GNZ-0993-PA	Neu5Ac $\alpha$ 2-3GalNAc-sp3	3-SiaT <sub>n</sub>	0.5
GNZ-0995-PA	Gal $\beta$ 1-4GlcNA $\beta$ 1-3GalNAc-sp3	LacNAc3T <sub>n</sub>	1
GNZ-0996-PA	Gal $\beta$ 1-4GlcNA $\beta$ 1-6GalNAc-sp3	LacNAc6T <sub>n</sub>	1
GNZ-0997-PA	Neu5Ac $\alpha$ 2-6Gal $\beta$ 1-4GlcNAc $\beta$ -sp3	6`SLN	1
GNZ-0998-PA	6-O-Su-GalNAc-sp3	$\alpha$ -D-GalNAc-6-O-sulfate	1

## Legend

<b>sp1</b>	= ol	= aminoalditol	<b>Ala</b>	= alanine	<b>Fm</b>	= formyl
<b>sp2</b>	= C2	= OCH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub>	<b>Arg</b>	= arginine	<b>Gc</b>	= glycolyl
<b>sp3</b>	= C3	= OCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub>	<b>Asn</b>	= asparagine	<b>GN</b>	= GlcNAc $\beta$
<b>sp4</b>	= Gly	= NHCOCH <sub>2</sub> NH <sub>2</sub>	<b>Ile</b>	= iso-leucine	<b>Lac</b>	= lactose
<b>sp5</b>	= long	= -O(CH <sub>2</sub> ) <sub>3</sub> NHCO(CH <sub>2</sub> ) <sub>5</sub> NH <sub>2</sub>	<b>Nle</b>	= norleucine	<b>LN</b>	= N-acetyllactosamine
<b>sp6</b>	= -NH(p-C <sub>6</sub> H <sub>4</sub> )CH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub>	(as-aminoalditol)	<b>Ser</b>	= serine	<b>M</b>	= Man
<b>sp7</b>	= -O(CH <sub>2</sub> ) <sub>2</sub> NHCO(OCH <sub>2</sub> CH <sub>2</sub> ) <sub>6</sub> NH <sub>2</sub>		<b>Trp</b>	= tryptophan	<b>Tn</b>	= GalNAc
<b>sp8</b>	= PEG6	= -(OCH <sub>2</sub> CH <sub>2</sub> ) <sub>6</sub> NH <sub>2</sub>	<b>Phe</b>	= phenylalanine	<b>P</b>	= phosphate
<b>sp9</b>	= BnGly	= -OCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> -p-NHCOCH <sub>2</sub> NH <sub>2</sub>	<b>Val</b>	= Valine	<b>Su</b>	= sulfate
<b>sp10</b>	= PEG2	= -(OCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NH <sub>2</sub>	<b>Cit</b>	= Citrulline		
<b>sp0</b>	= OCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> SCH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub>					



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